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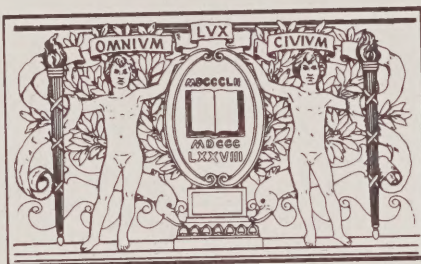
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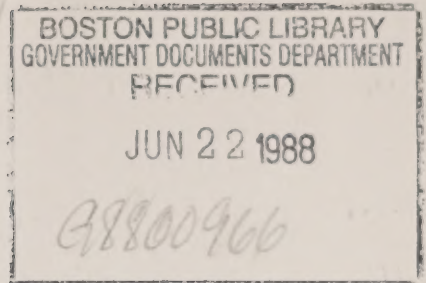
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THE JOB OUTLOOK IN THE BOSTON AREA
FOR SELECTED OCCUPATIONS
1985-1990

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January 1986

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I. INTRODUCTION

The purpose of this report is to provide the Boston Public Schools and their Department of Education and Employment with an analysis of occupational trends in the Boston Area. This analysis is designed to assist the staff of that department by presenting trends and projections of employment for selected occupations that are relevant to the department's skill development and job training programs, and for wider issues concerning the employment of Boston high school graduates.

This report covers 235 occupations for selected years between 1975 and 1990. The occupations are related to current and potential programs at the Center. The data cover a five-county metropolitan area: Essex, Middlesex, Norfolk, Plymouth and Suffolk Counties. This geography better represents the local labor market and job market than Suffolk County alone.

The employment data cover full- and part-time jobs. It is important to distinguish between annual employment changes and job openings. Year-to-year changes in employment are net changes in jobs. Unfortunately, this hides the actual flows of workers into and out of jobs in a particular occupation. For a given year, the number of job openings would be much greater than the number of net additional jobs. Even for an occupation that has declining employment, job openings would occur for reasons such as workers changing occupations, retiring, having children, or going to school.

The sources of the data are (1) employment projections (by industry) by the Boston Redevelopment Authority, and (2) an econometric model developed by Regional Economic Models, Inc., which converts employment, by industry, into employment, by occupations. The products

of these two sources are projections of employment and wages and salaries for the Boston Metro Area by industry type and by 765 occupational categories. The Research Department has adapted the model to be consistent with the latest available employment data for Boston and the Boston labor market area. Data for the years through 1982 are actual; 1983 and 1984 are estimated; and 1985 and 1990 are projected.

The occupational classifications were developed by the U.S. Bureau of Labor Statistics. In spite of the detail in types of occupations, this system has a few shortcomings. In some cases, a worker may perform multiple tasks and have a variety of skills that suggest more than one occupational category. However, workers are counted in the category that fits best most of the time. Consequently, analysts should look at group of related occupations. Further, some job classifications become obsolete as technology changes. For example, the occupation "data entry operators" includes key punch operators who have been largely replaced by "computer operators" as computers have come to rely less on cards and more on programs on disks. Reclassifications are too infrequent to keep up with those types of changes.

Most of the occupational categories have familiar titles. However, it is worth noting the distinction between "technician" and "technologist." For example, a "medical laboratory technologist" would have more education or more skill or more work experience than a "medical laboratory technician" even if actual work tasks were similar in the two categories.

Finally, wage rates in this report are the product of wage and salary disbursements for an industry divided by employment in that industry. This means that (1) because part-time employment is included,

the wage rate for a given industry would tend to underestimate the full-time wage rate; and (2) the wages in this report do not represent entry-level wages. For a few selected occupations, hourly or weekly earnings data are available from a survey by the Bureau of Labor Statistics. Both sources are used in this report.

This report is part of a broader analysis of occupations in the Boston area. Forthcoming Research Department reports will cover occupations in office-related industries, construction jobs, and comparative wage rates in Boston, the Boston Metro Area and Massachusetts.

II. OVERVIEW

The economy of the Boston Metropolitan Area (5 counties) will likely expand by nearly 52,000 jobs per year from 1985 to 1990, or 259,000 over the five-year period. That annual 2.6 percent growth will occur in a wide variety of occupations with an emphasis on professional, managerial, sales, clerical and service occupations. Employment for the major occupational categories for selected years are presented in Table A. The annual average change and percent change in employment are shown in Tables B and C.

Note that the average annual change (Table B) was much greater in 1984 and 1985 than in previous years. The strength of the local economy in 1984 resulted in higher than normal growth among all major occupational groups. Growth from 1985 to 1990 will find a more normal level, but will be still higher than the growth levels between 1975 and 1983.

The industries in the Metro Area with the most employment growth from 1985 to 1990 will be Finance and Insurance, Business Services, Educational Services, Medical Services and Other Professional Services (See Table D). However, the number of jobs will increase in many industries, including Electrical and Electronic Equipment Manufacturing, Instruments Manufacturing, Transportation and Communication, Hotels, and Eating and Drinking Places.

Employment trends and projections for all of the selected occupations are presented in the appendix in Tables 1-3.

TABLE A
NUMBER OF EMPLOYEES BY MAJOR OCCUPATION
BOSTON METRO AREA* 1975-1990

OCCUPATION -----	1975 ----	1978 ----	1983 ----	1984 ----	1985 ----	1990 ----
TOTAL--ALL OCCUPATIONS	1,599,540	1,731,116	1,894,319	1,960,134	2,018,086	2,276,745
PROFESSIONAL/TECHNICAL	282,020	312,799	353,540	366,857	379,098	448,284
MANAGERS/OFFICIALS	131,276	143,281	164,108	170,237	176,415	203,783
SALES WORKERS	105,747	109,772	120,385	124,391	127,964	140,633
CLERICAL WORKERS	344,568	368,163	409,596	422,594	434,153	483,483
CRAFT & RELATED WORKERS	162,316	170,595	180,800	191,477	197,539	221,404
OPERATIVES	214,597	234,653	233,684	245,255	252,356	273,342
SERVICE WORKERS	264,324	293,189	330,492	333,988	342,735	388,075
LABORERS EXCEPT FARM	88,463	92,152	95,072	98,840	101,424	111,506
FARMERS/FARM WORKERS	6,228	6,511	6,641	6,493	6,402	6,234

* ESSEX,MIDDLESEX,NORFOLK,PLYMOUTH AND SUFFOLK COUNTIES.

SOURCE: BOSTON REDEVELOPMENT AUTHORITY RESEARCH DEPARTMENT; REGIONAL ECONOMIC MODELS, INC.
OCTOBER 2, 1985.

TABLE B

AVERAGE ANNUAL CHANGE IN NUMBER OF EMPLOYEES BY MAJOR OCCUPATION
BOSTON METRO AREA* 1975-1990

OCCUPATION -----	1975-78 -----	1978-83 -----	1983-84 -----	1984-85 -----	1985-90 -----
TOTAL--ALL OCCUPATIONS	43,859	32,641	65,815	57,952	51,732
PROFESSIONAL/TECHNICAL	10,260	8,148	13,317	12,241	13,837
MANAGERS/OFFICIALS	4,002	4,165	6,129	6,178	5,474
SALES WORKERS	1,342	2,123	4,006	3,573	2,534
CLERICAL WORKERS	7,865	8,287	12,998	11,559	9,866
CRAFT & RELATED WORKERS	2,760	2,041	10,677	6,062	4,773
OPERATIVES	6,685	- 194	11,571	7,101	4,197
SERVICE WORKERS	9,622	7,461	3,496	8,747	9,068
LABORERS EXCEPT FARM	1,230	584	3,768	2,584	2,016
FARMERS/FARM WORKERS	94	26	- 148	- 91	- 34

* ESSEX,MIDDLESEX,NORFOLK,PLYMOUTH AND SUFFOLK COUNTIES.

SOURCE: BOSTON REDEVELOPMENT AUTHORITY RESEARCH DEPARTMENT; REGIONAL ECONOMIC MODELS, INC.
OCTOBER 2, 1985.

TABLE C

AVERAGE ANNUAL CHANGE IN NUMBER OF EMPLOYEES BY MAJOR OCCUPATION
IN PERCENT
BOSTON METRO AREA* 1975-1990

OCCUPATION -----	1975-78 -----	1978-83 -----	1983-84 -----	1984-85 -----	1985-90 -----
TOTAL--ALL OCCUPATIONS	2.7	1.9	3.5	3.0	2.6
PROFESSIONAL/TECHNICAL	3.6	2.6	3.8	3.3	3.7
MANAGERS/OFFICIALS	3.0	2.9	3.7	3.6	3.1
SALES WORKERS	1.3	1.9	3.3	2.9	2.0
CLERICAL WORKERS	2.3	2.3	3.2	2.7	2.3
CRAFT & RELATED WORKERS	1.7	1.2	5.9	3.2	2.4
OPERATIVES	3.1	- 0.1	5.0	2.9	1.7
SERVICE WORKERS	3.6	2.5	1.1	2.6	2.6
LABORERS EXCEPT FARM	1.4	0.6	4.0	2.6	2.0
FARMERS/FARM WORKERS	1.5	0.4	- 2.2	- 1.4	- 0.5

* ESSEX,MIDDLESEX,NORFOLK,PLYMOUTH AND SUFFOLK COUNTIES.

SOURCE: BOSTON REDEVELOPMENT AUTHORITY RESEARCH DEPARTMENT; REGIONAL ECONOMIC MODELS, INC.
OCTOBER 2, 1985.

TABLE D

CHANGE AND PERCENT CHANGE IN NUMBER OF EMPLOYEES 1985-1990
BY MAJOR AND SELECTED DETAILED INDUSTRY IN THE BOSTON METRO AREA

INDUSTRY -----	NUMBER OF EMPLOYEES		CHANGE IN EMPLOYMENT 1985-90	
	1985 ----	1990 ----	NUMBER -----	PERCENT -----
TOTAL WAGE & SALARY EMPLOYMENT	2,048,034	2,307,995	259,961	12.7
CONSTRUCTION	61,842	72,187	10,345	16.7
MANUFACTURING	439,086	486,597	47,511	10.8
FABRICATED METAL PRODUCTS	28,577	32,634	4,057	14.2
NON-ELECTRICAL MACHINERY	68,852	81,801	12,949	18.8
ELECTRICAL & ELECTRONIC EQUIP.	105,580	114,847	9,267	8.8
TRANSPORTATION EQUIP.	34,226	39,387	5,161	15.1
INSTRUMENTS	52,821	66,113	13,292	25.2
FOOD PROCESSING	16,922	15,774	- 1,148	- 6.8
TEXTILES	7,892	7,189	- 703	- 8.9
APPAREL	16,391	15,915	- 476	- 2.9
PAPER	12,245	11,869	- 376	- 3.1
PRINTING & PUBLISHING	32,407	33,164	757	2.3
CHEMICALS	10,886	10,884	- 2	- 0.0
RUBBER	15,618	18,904	3,286	21.0
TRANSPORTATION/PUBLIC UTILITIES	93,018	99,607	6,589	7.1
TRUCKING	18,367	19,963	1,596	8.7
LOCAL/INTERURBAN TRANSIT	8,948	9,610	662	7.4
AIR TRANSPORTATION	10,212	11,299	1,087	10.6
COMMUNICATION	31,532	33,463	1,931	6.1
PUBLIC UTILITIES	11,743	12,017	274	2.3
WHOLESALE TRADE	106,615	107,153	538	0.5
RETAIL TRADE	329,333	363,779	34,446	10.5
EATING & DRINKING PLACES	105,423	114,320	8,897	8.4
FINANCE/INSURANCE/REAL ESTATE	141,305	156,713	15,408	10.9
BANKING	43,724	46,823	3,099	7.1
INSURANCE	55,435	61,551	6,116	11.0
CREDIT & FINANCE	18,062	21,821	3,759	20.8
REAL ESTATE	24,083	26,518	2,435	10.1
SERVICES	578,495	711,333	132,838	23.0
HOTELS	28,603	34,193	5,590	19.5
PERSONAL SERVICE & REPAIR	25,770	28,198	2,428	9.4
PRIVATE HOUSEHOLD	16,215	16,145	- 70	- 0.4
AUTO REPAIR/SERVICE	11,186	12,654	1,468	13.1
BUSINESS SERVICES	96,463	120,375	23,912	24.8
AMUSEMENT & RECREATION	12,388	14,545	2,157	17.4
MEDICAL SERVICES	162,799	191,176	28,377	17.4
MISC. PROFESSIONAL SERVICES	52,377	64,210	11,833	22.6
EDUCATIONAL SERVICES	123,711	171,828	48,117	38.9
NON-PROFIT ORGANIZATIONS	46,677	55,344	8,667	18.6
GOVERNMENT	288,015	300,275	12,260	4.3
STATE & LOCAL	199,087	207,365	8,278	4.2
FEDERAL CIVILIAN	58,980	61,661	2,681	4.5
FEDERAL MILITARY	29,948	31,250	1,302	4.3

SOURCE: BOSTON REDEVELOPMENT AUTHORITY, RESEARCH DEPARTMENT; REGIONAL ECONOMIC MODELS, INC.
OCTOBER 2, 1985

III. OCCUPATIONS THAT WILL LEAD GROWTH IN THE BOSTON METRO AREA

Twenty-three of the 235 selected occupations will grow by more than 2,000 jobs from 1985 to 1990, or by over 400 jobs per year (see Table E). This diverse group is led by office-related occupations (building custodians, secretaries, general office clerks and cashiers), medical workers (physicians, dentists, etc.), assemblers, construction craft workers and sales clerks, each of which will grow by over 1,000 jobs per year. Food-related occupations--chefs and cooks, waiters and waitresses and kitchen helpers--rank high with annual job growth in the 600-700 range. Electric and electronic technicians, office machine operators and machine tool operators round out the occupations that will expand by more than 500 jobs per year through 1990.

Interestingly, computer programmers rank 18th and computer systems analysts rank 23rd, behind occupations such as automotive mechanics, sales workers and typists.

Together, these 23 occupations will account for more than 18,000 jobs per year or 36 percent of the employment growth for all occupations 1985-1990. The other 64 percent of employment growth will be spread among the hundreds of other occupational categories.

Regarding rate of growth, legal assistants will lead all other selected occupations with a 7.0 percent average annual increase in employment, 1985-1990 (see Table F). Although their absolute numbers are not the highest, computer service technicians, computer systems analysts and computer programmers rank 2nd, 6th, and 7th, respectively, in rate of growth. Vocational education teachers, tool programmers (numerical control), lawyers, child care attendants, physical therapy assistants, institutional cooks, electric and electronic technicians and

Table E

SELECTED OCCUPATIONS IN WHICH EMPLOYMENT IS LIKELY TO INCREASE BY
MORE THAN 2,000 IN THE BOSTON METRO AREA,
1985-1990, IN DESCENDING ORDER

	<u>1985-1990 Change in Employment</u>	<u>Average Annual Change</u>
1. Building custodians	9,257	1,851
2. Medical workers except technicians	8,608	1,722
3. Secretaries	7,773	1,555
4. General clerks, office	6,618	1,324
5. Assembler occupations	5,791	1,158
6. Cashiers	5,636	1,127
7. Construction craft workers	5,218	1,044
8. Sales clerks	5,210	1,042
9. Chefs & cooks	3,695	739
10. Waiters & waitresses	3,529	706
11. Kitchen helpers	2,839	568
12. Electric & electronic technicians	2,696	539
13. Office machine operators	2,676	535
14. Machine tool operators	2,563	513
15. Automotive mechanics	2,355	471
16. All other sales workers	2,337	467
17. Typists	2,332	466
18. Health technicians & technologists	2,294	459
19. Computer programmers	2,290	458
20. Store managers	2,224	445
21. Metalworking crafts	2,082	416
22. Bus drivers	2,062	412
23. Computer systems analysts	2,028	406
Subtotal	92,113	18,423
Total Change, All Occupations	258,659	51,732
Selected Occupations, Percent of Total Change	35.6	35.6

Source: BRA Research Department; Regional Economic Models, Inc.

Table F

OCCUPATIONS IN WHICH EMPLOYMENT IS LIKELY TO INCREASE BY
MORE THAN 4 PERCENT PER YEAR IN THE
BOSTON METRO AREA, 1985-1990

	<u>Average Annual Percent Change 1985-1990</u>	<u>Average Number</u>
1. Legal assistants	7.0	101
2. Computer service technicians	6.3	94
3. Vocational education teachers	5.9	145
4. Tool programmers, numerical control	5.9	21
5. Computer systems analysts	5.6	406
6. Computer operators	5.6	330
7. Computer programmers	5.1	458
8. Lawyers	4.7	335
9. Child care workers	4.5	159
10. Physical therapy assistants	4.3	33
11. Cooks, institutional	4.0	392
12. Electric & electronic technicians	4.0	539
13. Insurance clerks, medical	4.0	73
Subtotal	-	3,086
Total, Occupations	2.4	51,732
Subtotal, Percent of Total	-	6.0

Source: BRA Research Department; Regional Economic Models, Inc.

medical insurance clerks fill out the list of those occupations that will grow 4.0 percent or more per year. In comparison, the average annual growth for all occupations will be 2.4 percent. These 13 occupations will account for 2,756 jobs per year, or 5.3 percent of the annual growth in all occupations (see Table F).

IV. OCCUPATIONS THAT WILL LOSE EMPLOYMENT IN THE BOSTON METRO AREA

Twelve of the selected occupations show a net loss of jobs from 1985 to 1990 (see Table G). Sewers and stitchers, mail carriers and postal clerks, central office operators and data entry operators each will lose 30 or more jobs per year. However, the losses in these 12 selected occupations (378 per year) would be more than offset by gains in, for example, bus drivers alone (412 per year).

Notably, 8 of the 12 occupations are related to either printing (typesetters and compositors, bindery operatives, letter press operators and photoengravers) or communications (mail carriers and postal clerks, central office operators, communication equipment repairers and directory assistance operators). While the communications and printing industries are expanding in the Boston Metro Area, new technologies are decreasing the jobs available for certain occupations within those industries.

Table G

SELECTED OCCUPATIONS IN WHICH EMPLOYMENT IS LIKELY TO DECREASE
IN THE BOSTON METRO AREA, 1985-1990

	1985-1990 Change in <u>Employment</u>	Annual Average <u>Change</u>
1. Sewers and stitchers	- 582	- 116
2. Mail carriers and postal clerks	- 373	- 75
3. Central office telephone operators	- 322	- 64
4. Data entry operators	- 149	- 30
5. Communication equipment repairers	- 118	- 24
6. Typesetters & compositors	- 115	- 23
7. Butchers & meatcutters	- 86	- 17
8. Bindery operatives	- 79	- 16
9. Letter press operators	- 26	- 5
10. Photoengravers	- 20	- 4
11. Directory assistance operators	- 16	- 3
12. Lathers	- 5	- 1
Subtotal	- 1,891	- 378

Source: BRA Research Department; Regional Economic Models, Inc.

V. WAGE RATES

Wage rates are available for a limited number of occupations. The Bureau of Labor Statistics (U.S. Department of Commerce) conducted a wage survey in the Boston area in August 1984. The results (see Table H) show a wide range in mean weekly earnings. The highest paid occupations in the survey sample were computer systems analysts (\$589.00 per week), toolmakers and diemakers (\$511.60), auto mechanics (\$500.40), fitters and pipe liners (\$493.60), stationary engineers (\$484.00) and electricians (\$482.80). The lowest earnings were found among clerical workers and service workers: messengers (\$198.00), file clerks (\$205.00), guards (\$212.00), building custodians (\$232.80) and switchboard operators (\$242.00). In the middle range were various occupations in the professional, craft, operative, clerical, and laborer categories.

Another source of wage rates is the Massachusetts Division of Employment Security (DES). Average weekly pay for 13 major occupational categories listed in the Boston Area Job Bank provides an interesting comparison (see Table J). However, the DES cautions readers that the data represent only employers and job seekers who use the Employment Service local offices to fill jobs openings or seek work. The wage rates are an average of pay for jobs filled, usually entry-level positions. Consequently, the average weekly pay in the DES file is lower than the BLS averages.

The most complete and consistent set of wage rates are available by industry. The projected annual wage rates for 1985 and 1990 (see Table K) show a wide range of rates, but fairly even growth in rates among industries. The highest average annual wage rates in 1985 in civilian

Table H

MEAN WEEKLY EARNINGS FOR SELECTED OCCUPATIONS
BOSTON AREA, AUGUST 1984

<u>SELECTED OCCUPATIONS</u>	<u>AUGUST 1984 MEAN WEEKLY EARNINGS (DOLLARS)</u>
<u>Professional, Technical</u>	
Drafters	\$418.00
Electrical and Electronic Technicians	464.50
Nurses, Registered	436.50
Computer Programmers	449.50
Computer Systems Analysts	589.00
<u>Manager, Officials</u>	--
<u>Sales Workers</u>	--
<u>Clerical Workers</u>	
Accounting Clerks	263.00
File Clerks	205.00
Messengers	198.00
Computer Operators	316.50
Data Entry Operators	261.50
Peripheral EDP Equipment Operators	245.50
Order Clerks	254.50
Payroll and Timekeeping Clerks	291.00
Receptionists	256.00
Secretaries	344.00
Stenographers	329.00
Typists	237.00
Switchboard Operators	242.00

MEAN WEEKLY EARNINGS FOR SELECTED OCCUPATIONS, continued

<u>SELECTED OCCUPATIONS</u>	<u>AUGUST 1984 MEAN WEEKLY EARNINGS (DOLLARS)</u>
<u>Craft and Related Workers*</u>	
Carpenters	\$446.00
Electricians	482.80
Fitters, Pipelayers	493.60
Painters, construction	404.40
Auto Mechanics	500.40
Maintenance Repairers	441.20
Machinists	453.20
Toolmakers and Diemakers	511.60
Stationary Engineers	484.00
<u>Operatives*</u>	
Machine Tool Operators	441.60
Packing and Inspecting Operators	286.00
Truck Drivers	421.20
<u>Service Workers*</u>	
Building Custodians	232.80
Guards	212.80
<u>Laborers*</u>	
Helpers, Trades	320.40
Order Fillers	337.20
Stock Clerks	298.00

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, Boston Area Wage Survey, August 1984.

* Assuming a 40-hour week (data were hourly wages).

Table J

AVERAGE WEEKLY* WAGES FOR JOB OPENINGS FILLED BY MAJOR OCCUPATIONS,
 BOSTON METRO AREA,
 January 1 to August 31, 1985

<u>Occupation</u>	<u>Number of Jobs Filled</u>	<u>Average Weekly Wage</u>
All Occupations	5,267	183.20
Professional, Technical, Managerial	255	358.80
Clerical	1,435	167.60
Sales	420	149.60
Domestic Services	169	156.40
Other Services	1,133	160.80
Farming, Fishing, Forestry	276	150.80
Data Processing	93	216.00
Machine Trades	80	224.40
Bench Work	138	215.60
Structural	227	252.00
Motor Freight, Transportation	123	222.00
Packaging, Material Handling	891	179.60
Other	27	208.40

* Assuming a 40-hour week.

Source: Massachusetts Division of Employment Security.

TABLE K

CHANGE AND PERCENT CHANGE IN ANNUAL WAGE RATES 1985-1990
BY MAJOR AND SELECTED DETAILED INDUSTRY IN THE BOSTON METRO AREA

INDUSTRY	AVERAGE ANNUAL WAGE RATE		CHANGE IN WAGE RATE 1985-90	
	1985	1990	NUMBER	PERCENT
TOTAL WAGE & SALARY EMPLOYMENT	20,458	28,115	7,657	37.4
CONSTRUCTION	25,868	35,739	9,871	38.2
MANUFACTURING				
FABRICATED METAL PRODUCTS	24,646	33,948	9,302	37.7
NON-ELECTRICAL MACHINERY	28,018	39,059	11,041	39.4
ELECTRICAL & ELECTRONIC EQUIP.	27,238	38,236	10,998	40.4
TRANSPORTATION EQUIP.	33,248	46,977	13,729	41.3
INSTRUMENTS	27,882	38,552	10,670	38.3
FOOD PROCESSING	22,209	30,559	8,350	37.6
TEXTILES	20,026	27,200	7,174	35.8
APPAREL	13,693	18,551	4,858	35.5
PAPER	25,099	34,574	9,475	37.8
PRINTING & PUBLISHING	21,987	29,933	7,946	36.1
CHEMICALS	32,735	46,202	13,467	41.1
RUBBER	20,451	27,966	7,515	36.7
TRANSPORTATION/PUBLIC UTILITIES				
TRUCKING	24,219	32,531	8,312	34.3
LOCAL/INTERURBAN TRANSIT	13,364	17,983	4,619	34.6
AIR TRANSPORTATION	36,451	50,910	14,459	39.7
COMMUNICATION	34,581	49,106	14,525	42.0
PUBLIC UTILITIES	33,739	46,952	13,213	39.2
WHOLESALE TRADE	26,692	36,639	9,947	37.3
RETAIL TRADE	11,422	15,280	3,858	33.8
EATING & DRINKING PLACES	12,457	16,642	4,185	33.6
FINANCE/INSURANCE/REAL ESTATE				
BANKING	20,219	27,809	7,590	37.5
INSURANCE	24,491	33,769	9,278	37.9
CREDIT & FINANCE	31,523	43,834	12,311	39.1
REAL ESTATE	19,938	28,048	8,110	40.7
SERVICES				
HOTELS	12,224	16,796	4,572	37.4
PERSONAL SERVICE & REPAIR	14,182	19,175	4,993	35.2
PRIVATE HOUSEHOLD	7,920	10,440	2,520	31.8
AUTO REPAIR/SERVICE	16,667	22,711	6,044	36.3
BUSINESS SERVICES	20,219	28,029	7,810	38.6
AMUSEMENT & RECREATION	12,551	16,908	4,357	34.7
MEDICAL SERVICES	14,315	20,322	6,007	42.0
MISC. PROFESSIONAL SERVICES	30,980	43,302	12,322	39.8
EDUCATIONAL SERVICES	15,641	21,723	6,082	38.9
NON-PROFIT ORGANIZATIONS	10,571	14,100	3,529	33.4
GOVERNMENT	21,721	29,506	7,785	35.8
STATE & LOCAL	20,951	28,221	7,270	34.7
FEDERAL CIVILIAN	29,417	40,252	10,835	36.8
FEDERAL MILITARY	11,687	16,832	5,145	44.0

SOURCE: BOSTON REDEVELOPMENT AUTHORITY, RESEARCH DEPARTMENT; REGIONAL ECONOMIC MODELS, INC.
OCTOBER 2, 1985.

industries will occur in air transportation (\$36,500), communications (\$34,500), public utilities (\$34,000), transportation equipment manufacturing (\$33,000), credit and finance (\$31,500) and miscellaneous professional services (legal, accounting, architecture and others, \$31,000). The lowest rates will occur in private household services (\$8,000), nonprofit organizations (\$10,500), retail trade (\$11,500), hotels (\$12,000), eating and drinking places (\$12,500), amusement and recreational services (\$12,500) and local/interurban transit (\$13,000). Most of the manufacturing industries, the rest of the services, finance, government and trucking and wholesale trade are in a middle range.

All of the industries will increase their average annual wages by over 30 percent from 1985 to 1990 (including inflation). Wage rates will grow fastest in communications and medical services (42 percent or 8.4 percent per year), transportation equipment manufacturing, printing and publishing and real estate (41 percent) and electrical and electronic equipment manufacturing, miscellaneous professional services and air transportation (40 percent). The slower rates will occur in private household services (32 percent or 6.4 percent per year), nonprofit organizations (33 percent), eating and drinking places, other retail trade and trucking (34 percent), and state and local government, amusement and recreation and local/interurban transit (35 percent). Again, the middle range is comprised of a variety of industries.

VI. TRENDS AND PROJECTIONS BY OCCUPATION

This section provides more detail on the employment outlook for selected occupations in professional, managerial, sales, clerical, craft-related, operative, service and labor categories. The text below refers to Tables 1-3 in the Appendix.

Professional and Technical Occupations

Medical workers except technicians had the most employees and the greatest absolute growth among the selected professional and technical occupations. Medical workers include registered nurses (64 percent of total in 1984), physicians, therapists and pharmacists. The Boston area's many hospitals and other health care facilities will continue to support a strong demand for the medical occupations.

Electrical and electronic technicians led this subcategory in growth in both number and percent throughout the period 1975-1985 and should continue above-average growth 1985-1990. These technicians are employed mainly in electrical and electronic equipment manufacturing, radio and television broadcasting and other manufacturing and communications industries. Computer programmers and computer systems analysts will account for over 400 net new jobs per year through 1990 to continue recent trends. After a stagnant year in 1983, renewed demand for lawyers and legal assistants will result in over 400 additional jobs per year through 1990. Those jobs will occur in a variety of service and finance-related industries. Job growth for medical laboratory technologists and technicians will fall off slightly in the next five years, as will growth in buyers in retail and wholesale trade. The

growth in jobs for vocational education teachers will accelerate from 1985 to 1990 after a lull in demand from 1978 to 1984.

The Boston area's architectural and engineering firms lent primary support to the 7,700 drafters in the area in 1984. Growth in employed drafters will pick up from 1984 through 1990 after a slowdown in the early 1980s. Commercial and graphic artists and designers will gradually increase their significant presence in a variety of business types.

Boston, in particular, is a center for jobs for professional and technical workers. Much of the new office space in the city is being filled by financial businesses, law firms, insurance companies, and a variety of business services. At the same time, medical services continue to expand in Boston.

Managers, Officials and Proprietors

Store managers led this category with over 16,000 employees in 1984, and will experience the highest annual absolute and percentage growth through 1990. The outlook for restaurant, cafe and bar managers from 1985 to 1990 is somewhat better than the prospects for retail sales managers, renewing a trend that was reversed during 1983 to 1985. Jobs for wholesalers will increase the least among the selected occupations in this category. The locations of the new jobs will likely be shopping malls, large mixed-use developments in Boston and smaller ventures in newly developed suburban or redeveloped urban areas.

Sales Workers

Sales workers are a major occupational group in the Boston area, numbering over 124,000 in 1984. The growth in sales clerks (1,800 in 1983) will subside somewhat in the late 1980s, but will remain over 1,000 jobs per year. This outlook is much better than the experience during 1975 to 1983 when jobs for sales clerks increased by about 400 per year. The "All Other Sales Workers" category will continue to experience high annual rates of growth, adding over 450 jobs per year from 1985 to 1990.

Clerical Workers

In 1984, secretaries (53,000), general office clerks (52,000), cashiers (32,000) and office machine operators (22,000) were the largest occupational groups among clerical workers, and will expand by the greatest absolute number of jobs. However, the highest annual rates of job growth from 1985 to 1990 will occur for computer operators (5.6% or 330 jobs per year), peripheral electronic data processing equipment operators (4.6% or 62 jobs per year), medical insurance clerks (4.0% or 73 jobs per year), library assistants (3.7% or 75 jobs annually) and cashiers (3.4% or 1,128 jobs per year).

Clerical workers are employed in nearly all types of industries. The primary employers are banks, insurance companies, credit agencies, business services, medical services and government offices. However, all but the smallest businesses have one or more clerical workers for handling bills, orders, correspondence, payroll and the multiple other operational requirements. Therefore, new clerical jobs will be located

throughout the Boston Metro Area with a concentration in the City of Boston's burgeoning office-related industries.

Craft and Related Workers

Construction craft workers numbered over 34,000 in 1984. Within that subcategory, carpenters (9,000), electricians (7,700), plumbers and pipe fitters (5,200) and painters and paperhangers (3,500) were the occupations with the most employment. The greatest absolute growth among construction craft workers during the 1985 to 1990 period will occur for carpenters (303 jobs per year), electricians (222 per year), plumbers and pipe fitters (150 annually) and painters (105 per year). The occupations with the highest annual rates of growth, 1985-1990, will be drywall applicators (3.4% or 21 per year), fitters--pipe laying (3.4% or only 4 per year), cement masons and terrazzo workers (3.3% or 44 per year), carpenters (3.2% or 303 per year) and tile setters (3.2% or 7 annually). Therefore, the job outlook looks most promising for carpenters.

The record-setting pace of office construction in the City of Boston in recent years and extensive residential and nonresidential building rehabilitation have sustained and will extend the strong demand for construction craft workers. These workers are employed mainly by construction companies, many of which are small and most of which are located outside of Boston. Recently, construction sites have been located primarily in Downtown Boston, Cambridge and along Routes 128 and 495.

Mechanics, repairers and installers are employed in a variety of manufacturing industries, communications and public utilities and

numerous types of repair shops. These businesses are less likely to be located in the City of Boston than the office-related industries. The occupations with the most employees in this subcategory of mechanics, repairers and installers are metalworking craft workers except mechanics (15,500), general utility maintenance repairers (14,000), automotive mechanics (13,000), industrial machinery repairers (5,500), machinists (4,300), and line installers and cable splicers (3,500).

The rates of job growth were high during 1983 and 1984 for most of the occupations in the mechanics, repairers and installers subcategory. For 1985 to 1990, the leading occupations in terms of annual growth rates will be computer service technicians (6.3% or 94 jobs per year), electric motor repairers (3.8% or 15 jobs annually), office machine repairers (3.5% or 41 jobs per year), automotive mechanics (3.4% or 471 jobs annually) and millwrights (3.2% or 42 jobs per year).

Considering rate and absolute growth, automotive mechanics, machinists, general utility maintenance repairers, sheetmetal workers and tinsmiths, and computer service technicians have promising job outlooks in the next five years.

Among other craft and related workers, the job outlook is especially favorable for heavy equipment operators (3.1% or 155 jobs per year, 1985-1990).

Operatives include assemblers and machine operators. The Boston Metro Area had 245,000 operatives in 1984 and will expand to 273,000 by 1990. The primary occupational groups in this category in 1984 were electrical and electronic assemblers (16,000), machine tool operators (19,000), bus drivers (12,300), and sewers and stitchers (12,000).

The best job prospects, in terms of absolute annual growth 1985-1990, will be in assembler occupations, especially electrical and electronic assemblers (342 jobs per year), all other assemblers (235 jobs annually), machine tool operators (513 jobs per year in a variety of categories), welders and flamecutters (175 jobs per year) and bus drivers (412 jobs annually).

The highest annual rates of job growth, 1985-1990, will occur for instrument makers (4.8% or 94 jobs per year), numerical control machine tool operators (3.5% or 61 jobs per year) and bus drivers and ambulance drivers and ambulance attendants (3.3% each).

Operatives find jobs in a variety of industries, from manufacturing of fabricated metals, electrical and electronic equipment, and textiles, to transportation services and construction. Those workplaces are located in and near the major cities of the Boston Metro Area as well as along Routes 128 and 495.

Service Workers

This diverse group of workers is located in a variety of workplaces throughout the Boston Metro Area. Restaurants, office buildings, health clinics, social service agencies, and landscaping companies are a few of the employers of service workers.

Food service workers dominate this category. In 1984, the Boston Metro Area employed 35,300 waiters and waitresses; 25,700 cooks and chefs; 19,300 kitchen helpers; and 17,400 fast food restaurant food preparation and service workers. Building custodians (62,800) and gardeners and groundskeepers, except farm (8,600), were the next largest occupations.

From 1985 to 1990, job prospects are brightest for building custodians (1,850 jobs per year), food service workers in all categories (with the exception of butchers and meatcutters) who will see job growth amounting to 3,000 per year, child care attendants and child care workers (290 jobs per year, combined) and gardeners and groundskeepers except farm (190 per year). The Boston Metro Area's services-based economy will sustain job opportunities for service workers.

Laborers Except Farm

Stock handlers (19,000 in 1984) and trades helpers (9,800 in 1984) will continue to provide new jobs in the Boston Metro Area. Although annual growth rates, 1985-1990, will need to be above average, stock handlers will add 224 jobs per year and trades helpers will add 262 jobs per year. Jobs for laborers are generally related to manufacturing, wholesale and retail trade and construction. Consequently, many of the jobs are located outside of the City of Boston.

APPENDIX

TABLE 1

EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990
BOSTON METROPOLITAN AREA*
NUMBER OF EMPLOYEES

OCCUPATION	1975	1978	1983	1984	1985	1990
PROFESSIONAL, TECHNICAL & RELATED WORKERS						
ENGINEERING & SCIENCE TECHNICIANS						
BROADCAST TECHNICIANS	237	241	261	282	291	318
DRAFTERS	6,527	7,189	7,651	7,686	7,847	8,233
ELECTRICAL & ELECTRONIC TECHNICIANS	7,631	9,118	11,894	12,889	13,524	16,220
MEDICAL WORKERS EXCEPT TECHNICIANS	32,418	36,192	42,971	44,876	46,595	55,203
HEALTH TECHNOLOGISTS & TECHNICIANS	9,806	10,893	12,840	13,442	13,912	16,206
CLINICAL LABORATORY TECHNOLOGISTS & TECH.	3,444	3,798	4,455	4,633	4,796	5,548
BIOCHEMISTRY TECHNOLOGIST	189	207	246	253	262	303
BLOOD BANK TECHNOLOGY SPECIALISTS	290	325	388	399	416	492
MEDICAL LABORATORY TECHNICIANS	983	1,058	1,188	1,216	1,245	1,363
MEDICAL LABORATORY TECHNOLOGISTS	1,630	1,818	2,170	2,288	2,376	2,807
DENTAL HYGIENISTS	774	884	1,077	1,159	1,187	1,338
DIETETIC TECHNICIANS	252	288	339	348	363	432
HEALTH RECORD TECHNICIANS	356	397	466	489	507	592
PHYSICAL THERAPY ASSISTANTS	493	567	702	734	767	932
PHYSICIAN ASSISTANTS	357	381	416	437	444	481
OTHER PROFESSIONAL & TECHNICAL WORKERS						
TOOL PROGRAMMERS NUMERICAL CONTROL	184	243	302	337	357	462
COMPUTER PROGRAMMERS	4,766	5,868	7,985	8,413	8,897	11,187
COMPUTER SYSTEMS ANALYSTS	3,768	4,688	6,420	6,894	7,305	9,333
VOCATIONAL EDUCATION TEACHERS	1,717	1,972	2,282	2,343	2,441	3,165
COMMERCIAL & GRAPHIC ARTISTS & DESIGNERS	1,170	1,346	1,653	1,729	1,796	2,092
PHOTOGRAPHERS	844	897	993	1,027	1,052	1,154
RADIO & TV ANNOUNCERS & NEWSCASTERS	739	739	810	827	858	935
BUYERS RETAIL & WHOLESALE TRADE	3,939	4,034	4,423	4,598	4,719	5,164
CURRICULUM SPECIALISTS	525	556	563	581	591	704
LAW CLERKS	824	949	1,128	1,127	1,168	1,377
LAWYERS	4,670	5,488	6,810	6,806	7,120	8,794
LEGAL ASSISTANTS	785	982	1,349	1,357	1,447	1,951

TABLE 1
EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990
BOSTON METROPOLITAN AREA*
NUMBER OF EMPLOYEES

OCCUPATION	1975	1978	1983	1984	1985	1990
MANAGERS, OFFICIALS & PROPRIETORS						
RESTAURANT CAFE & BAR MANAGERS	5,951	6,879	8,027	8,185	8,348	9,280
SALES MANAGERS RETAIL TRADE	4,453	4,527	5,135	5,331	5,447	5,820
STORE MANAGERS	13,987	14,532	15,470	16,135	16,674	18,898
WHOLESALERS	3,299	3,301	3,942	4,081	4,137	4,238
SALES WORKERS	105,747	109,772	120,385	124,391	127,964	140,633
SALES CLERKS	49,339	50,450	52,496	54,301	55,709	60,919
ALL OTHER SALES WORKERS	12,637	13,988	15,672	16,239	16,883	19,220
CLERICAL WORKERS	344,568	368,163	409,596	422,594	434,153	483,483
BANK TELLERS	9,911	10,164	12,971	12,808	13,195	14,332
ACCOUNTING CLERKS	13,611	14,405	15,640	16,043	16,404	17,673
BOOKKEEPERS--HAND	15,716	16,371	17,791	18,017	18,405	19,632
CAR RENTAL CLERKS	250	289	313	297	308	339
CASHIERS	25,543	27,541	31,051	32,367	33,604	39,243
CHECKING CLERKS	363	362	449	441	452	482
CIRCULATION CLERKS	163	165	185	189	191	197
CLAIMS CLERKS	1,350	1,505	1,790	1,876	1,950	2,286
FILE CLERKS	6,149	6,497	7,012	6,998	7,127	7,556
GENERAL CLERKS OFFICE	42,270	45,107	50,528	52,177	53,698	60,316
INSURANCE CLERKS EXCEPT MEDICAL	198	216	268	267	277	315
INSURANCE CLERKS MEDICAL	1,144	1,312	1,651	1,743	1,817	2,183
LIBRARY ASSISTANTS	1,734	1,848	1,926	1,990	2,029	2,402
LICENSE CLERKS	138	141	134	136	137	152
MAIL CARRIERS & POSTAL CLERKS	9,567	9,676	8,729	11,304	11,136	10,763
METER READERS UTILITIES	399	408	415	423	430	446
MORTGAGE CLOSING CLERKS	209	231	317	318	334	387
OFFICE MACHINE OPERATORS	17,319	18,921	21,958	22,402	23,083	25,759
BOOKKEEPING BILLING MACHINE OPERATORS	2,963	3,109	3,532	3,600	3,692	4,031
PROOF MACHINE OPERATORS	1,018	1,005	1,242	1,217	1,245	1,320
TRANSIT CLERKS	156	154	189	185	189	199
COMPUTER OPERATORS	3,241	3,937	5,247	5,525	5,856	7,489
DATA ENTRY OPERATORS	6,652	6,986	7,275	7,293	7,347	7,198
PERIPHERAL EDP EQUIPMENT OPERATORS	763	916	1,221	1,262	1,331	1,639
DUPLICATING MACHINE OPERATORS	721	794	888	895	917	1,008
ALL OTHER OFFICE MACHINE OPERATORS	1,696	1,893	2,238	2,289	2,369	2,721
ORDER CLERKS	4,567	4,804	5,351	5,545	5,683	6,085
PAYROLL & TIMEKEEPING CLERKS	3,288	3,562	3,920	4,091	4,239	4,845
PERSONNEL CLERKS	1,786	1,963	2,144	2,326	2,393	2,696
POLICY CHANGE CLERKS	780	810	878	856	874	923
PROCUREMENT CLERKS	898	1,009	1,087	1,187	1,224	1,376
PRODUCTION CLERKS	4,053	4,657	5,169	5,552	5,740	6,488
RATE CLERKS FREIGHT	140	150	136	137	141	151
REAL ESTATE CLERKS	267	290	354	402	419	470
RECEPTIONISTS	5,569	6,301	7,744	7,978	8,305	9,771
SECRETARIES	41,507	45,571	52,278	53,125	54,843	62,616
STENOGRAPHERS	6,007	6,086	5,921	5,985	6,003	6,087
TYPISTS	19,604	20,794	22,397	23,006	23,481	25,813
SERVICE CLERKS	405	429	475	498	517	600
SHIPPING & RECEIVING CLERKS	6,716	7,043	7,413	7,696	7,868	8,306
SHIPPING PACKERS	5,969	6,284	6,540	6,791	6,937	7,240
SORTING CLERKS BANKING	156	154	191	187	192	204
STATEMENT CLERKS	672	674	849	836	859	929
STOCK CLERKS STOCKROOM & WAREHOUSE	15,621	16,230	17,179	17,805	18,172	19,371
SWITCHBOARD OPERATORS RECEPTIONISTS	3,484	3,873	4,576	4,642	4,820	5,512
TELEGRAPH OPERATORS	93	89	98	103	106	114
TELEPHONE OPERATORS	6,936	6,743	7,089	7,200	7,280	7,390
SWITCHBOARD OPERATORS	3,074	3,378	3,901	3,961	4,079	4,528
CENTRAL OFFICE OPERATORS	2,858	2,548	2,358	2,382	2,340	2,018
DIRECTORY ASSISTANCE OPERATORS	904	817	830	856	860	844

TABLE 1

EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990
BOSTON METROPOLITAN AREA*
NUMBER OF EMPLOYEES

OCCUPATION	1975	1978	1983	1984	1985	1990
CRAFT & RELATED WORKERS						
CONSTRUCTION CRAFT WORKERS	31,154	29,567	31,880	34,263	35,471	40,689
INSULATION WORKERS	637	591	640	699	726	838
BRICKLAYERS	1,042	916	1,008	1,077	1,115	1,282
STONE MASONS	64	57	54	60	60	60
CARPENTERS	8,082	7,676	8,434	9,020	9,363	10,877
CEMENT MASONS & TERRAZZO WORKERS	1,219	1,069	1,190	1,279	1,328	1,547
DRYWALL APPLICATORS AND TAPERS	841	727	816	877	912	1,066
DRYWALL APPLICATORS	560	484	544	585	608	712
TAPERS	282	243	272	292	304	354
ELECTRICIANS	6,876	6,803	7,143	7,695	7,953	9,062
FITTERS PIPELAYING	96	83	94	101	105	123
FLOOR COVERING INSTALLERS	764	722	781	825	854	971
GLAZIERS	579	559	609	643	665	755
IRONWORKERS	1,386	1,230	1,332	1,434	1,483	1,696
LATHERS	150	120	115	120	121	116
PAINTERS & PAPERHANGERS	3,085	2,997	3,309	3,528	3,647	4,186
PAINTERS CONSTRUCTION & MAINTENANCE	2,987	2,913	3,218	3,431	3,546	4,073
PAPERHANGERS	96	81	87	93	96	108
PLASTERERS	223	183	185	196	199	208
PLUMBERS & PIPEFITTERS	4,705	4,552	4,806	5,234	5,414	6,170
ROOFERS	978	834	908	971	1,004	1,137
TILE SETTERS	197	173	193	206	214	248
MECHANICS REPAIRERS & INSTALLERS	57,096	60,161	65,070	68,234	70,268	78,619
AIR CONDITIONING REFRIG. & HEATING MECH.	2,088	2,021	2,201	2,349	2,425	2,748
APPLIANCE INSTALLERS & REPAIRERS	977	989	1,024	1,056	1,081	1,154
AUTOMOTIVE BODY REPAIRERS	1,763	1,948	2,103	2,102	2,179	2,446
AUTO SEAT COVER & TOP INSTALLERS	68	80	89	85	89	101
AUTOMOTIVE MECHANICS	10,486	11,419	12,829	13,326	13,853	16,208
COIN MACHINE SERVICERS & REPAIRERS	452	477	509	520	536	597
COMMUNICATION EQUIPMENT MECHANICS	2,306	2,049	2,017	2,067	2,062	1,944
COMPUTER SERVICE TECHNICIANS	668	822	1,286	1,397	1,494	1,966
DIESEL MECHANICS	2,622	2,756	2,965	3,025	3,099	3,366
ELECTRICAL INSTRUMENT & TOOL REPAIRERS	177	204	257	286	298	329
ELECTRIC MOTOR REPAIRERS	264	295	363	383	406	483
LINE INSTALLERS & CABLE SPLICERS	3,382	3,228	3,410	3,578	3,640	3,831
ENGINEERING EQUIPMENT MECHANICS	1,188	1,160	1,253	1,334	1,344	1,372
INSTRUMENT REPAIRERS	606	680	729	763	791	898
INDUSTRIAL MACHINERY REPAIRERS	4,635	5,109	5,176	5,579	5,773	6,487
MAINTENANCE REPAIRERS GENERAL UTILITY	11,303	12,217	13,476	13,987	14,437	16,357
MARINE MECHANICS & REPAIRERS	195	237	213	246	256	279
MILLWRIGHTS	1,032	1,132	1,161	1,248	1,304	1,513
OFFICE MACHINE REPAIRERS	689	780	1,072	1,143	1,194	1,401
RADIO & TELEVISION SERVICE TECHNICIANS	866	905	996	1,040	1,073	1,200
TELEPHONE & PBX INSTALLERS & REPAIRERS	3,075	2,837	2,984	3,109	3,146	3,212
METALWORKING CRAFT WORKERS EXCEPT MECHANICS	12,659	14,335	14,251	15,480	16,069	18,151
MACHINISTS & LAYOUT MARKERS	3,859	4,449	4,544	4,878	5,069	5,742
LAYOUT MARKERS METAL	246	279	278	302	313	348
MACHINISTS	3,430	3,950	4,050	4,339	4,507	5,102
JOB & DIE SETTERS	1,605	1,935	1,916	2,090	2,192	2,523
MACHINE TOOL SETTERS METALWORKING	925	1,128	1,132	1,232	1,287	1,477
PUNCH PRESS SETTERS METAL	319	384	384	417	438	499
SHEETMETAL WORKERS & TINSMITHS	2,913	2,989	3,094	3,399	3,511	3,992
TOOLMAKERS & DIEMAKERS	2,457	2,911	2,809	3,060	3,168	3,545

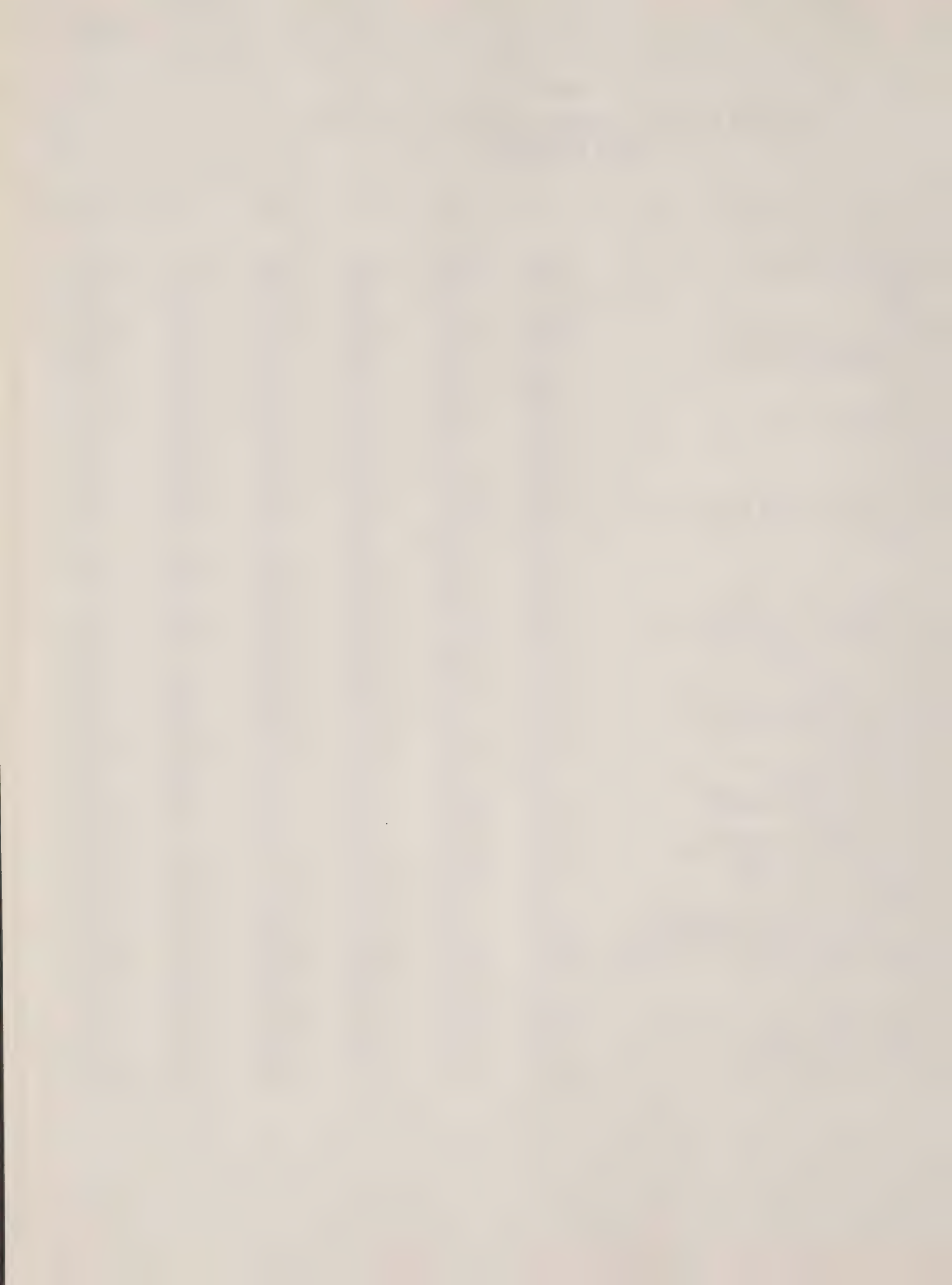


TABLE 1

EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990
BOSTON METROPOLITAN AREA*
NUMBER OF EMPLOYEES

OCCUPATION	1975	1978	1983	1984	1985	1990
ALL OTHER METALWORKING CRAFT WORKERS	150	177	162	176	187	219
PRINTING TRADES CRAFT WORKERS	8,324	8,510	9,325	9,581	9,669	9,864
TYPESETTERS & COMPOSITORS	2,081	2,036	2,065	2,080	2,066	1,951
LITHOGRAPHERS & PHOTOENGRAVERS	1,462	1,504	1,733	1,794	1,817	1,899
CAMERA OPERATORS PRINTING	466	484	564	586	595	629
PHOTOENGRAVERS	190	181	179	181	177	157
PLATEMAKERS	283	289	328	338	341	351
STRIPPERS PRINTING	521	549	661	688	702	760
PRINTING PRESS OPERATORS	3,628	3,753	4,146	4,267	4,321	4,484
LETTER PRESS OPERATORS	754	742	795	808	805	779
OFFSET LITHOGRAPHIC PRESS OPERATORS	1,859	1,927	2,243	2,338	2,374	2,514
PRESS OPERATORS & PLATE PRINTERS	785	853	851	857	876	921
ALL OTHER PRESS & PLATE PRINTERS	229	231	258	265	266	269
OTHER CRAFT & RELATED WORKERS	53,043	57,981	60,234	63,877	66,019	74,033
BAKERS	1,049	1,064	1,078	1,112	1,137	1,224
CABINETMAKERS	717	754	758	807	832	915
CRANE DERRICK & HOIST OPERATORS	1,079	1,134	1,141	1,227	1,267	1,421
DENTAL LAB TECHNICIANS	819	937	1,022	1,042	1,072	1,201
FURNITURE FINISHERS	167	178	196	206	216	249
FURNITURE UPHOLSTERERS	199	202	219	224	231	248
HEAVY EQUIPMENT OPERATORS	4,850	4,583	4,810	5,083	5,213	5,989
TAILORS	1,055	1,082	1,132	1,173	1,212	1,341
UPHOLSTERERS	115	121	101	108	110	111
UPHOLSTERY CUTTERS	46	48	39	41	42	42
UPHOLSTERY WORKERS NEC	100	106	88	93	95	95
OPERATIVES						
ASSEMBLER OCCUPATIONS	32,074	38,729	43,050	46,613	48,506	54,297
ASSEMBLERS	4,252	4,792	4,308	4,600	4,804	5,275
ELECTRICAL MACHINERY EQUIPMENT ASSEMBLERS	3,252	4,024	4,919	5,282	5,517	6,384
ELECTRICAL & ELECTRONIC ASSEMBLERS	10,108	12,197	15,047	16,305	16,931	18,642
INSTRUMENT MAKERS	1,136	1,504	1,717	1,833	1,940	2,409
MACHINE ASSEMBLERS	2,600	3,122	3,158	3,445	3,591	4,048
ALL OTHER ASSEMBLERS	6,320	7,866	8,374	9,136	9,551	10,724
BINDERY OPERATIVES	2,080	2,065	2,214	2,249	2,246	2,167
METALWORKING OPERATIVES	22,776	26,791	25,914	28,292	29,383	32,994
MACHINE TOOL OPERATORS	15,505	18,403	17,732	19,371	20,107	22,670
DRILL PRESS & BORING MACHINE OPERATORS	1,978	2,345	2,253	2,452	2,546	2,876
GRINDING & ABRADING MACHINE OPERATOR METAL	1,984	2,320	2,125	2,295	2,369	2,589
LATHE MACHINE OPERATORS METAL	2,620	3,054	2,849	3,092	3,197	3,531
MILLING	1,137	1,387	1,301	1,422	1,457	1,620
MACHINE TOOL OPERATORS COMBINATION	2,772	3,340	3,344	3,720	3,878	4,450
MACHINE TOOL OPERATORS NUMERICAL CONTROL	1,195	1,465	1,524	1,678	1,749	2,053
MACHINE TOOL OPERATORS TOOL ROOM	567	687	679	745	772	893
PUNCH PRESS OPERATORS METAL	2,230	2,665	2,538	2,748	2,873	3,230
POWER BRAKE BENDING MACHINE OPERATORS METAL	624	732	720	785	815	923
SHEAR & SLITTER OPERATORS METAL	313	365	360	390	406	456
WELDERS & FLAMECUTTERS	5,878	6,739	6,533	7,131	7,414	8,291
PAINTERS AUTOMOTIVE	472	540	606	598	626	724
PAINTERS PRODUCTION	1,570	1,882	1,780	1,951	2,027	2,257
SEWERS & STITCHERS	14,387	14,389	11,881	12,008	12,143	11,561
SEWING MACHINE OPRS. REGULAR EQUIP. GARMENT	9,033	8,835	7,186	7,254	7,335	6,874
SEWING MACHINE OPRS. SPECIAL EQUIP. GARMENT	1,307	1,283	1,053	1,065	1,080	1,021
SEWING MACHINE OPRS. REGULAR EQUIP. NONGARMEN	2,497	2,682	2,293	2,331	2,361	2,333
SEWING MACHINE OPRS. SPECIAL EQUIP. NONGARMEN	941	980	822	830	836	818
ALL OTHER SEWERS & STITCHERS	378	375	282	277	274	241
AMBULANCE DRIVERS & AMBULANCE ATTENDANTS	587	639	682	717	737	860
BUSDRIVERS	10,722	11,524	11,784	12,298	12,567	14,629
MISC. MACHINE OPERATIVES LUMBER & FURNITURE	305	366	339	371	387	432
PHOTOGRAPHIC PROCESS WORKERS	1,213	1,417	1,655	1,673	1,730	1,868
RIVETERS	315	373	359	389	396	431
ROTARY DRILL OPERATORS	21	21	24	27	27	26
ROTARY DRILL OPERATOR HELPERS	16	15	20	20	19	16
SANDBLASTERS & SHOTBLASTERS	119	139	128	144	150	171
SANDERS WOOD	139	157	139	149	155	166
TIRE CHANGERS & REPAIRERS	1,011	1,067	1,168	1,223	1,270	1,467
WOOD MACHINISTS	218	241	249	264	275	313

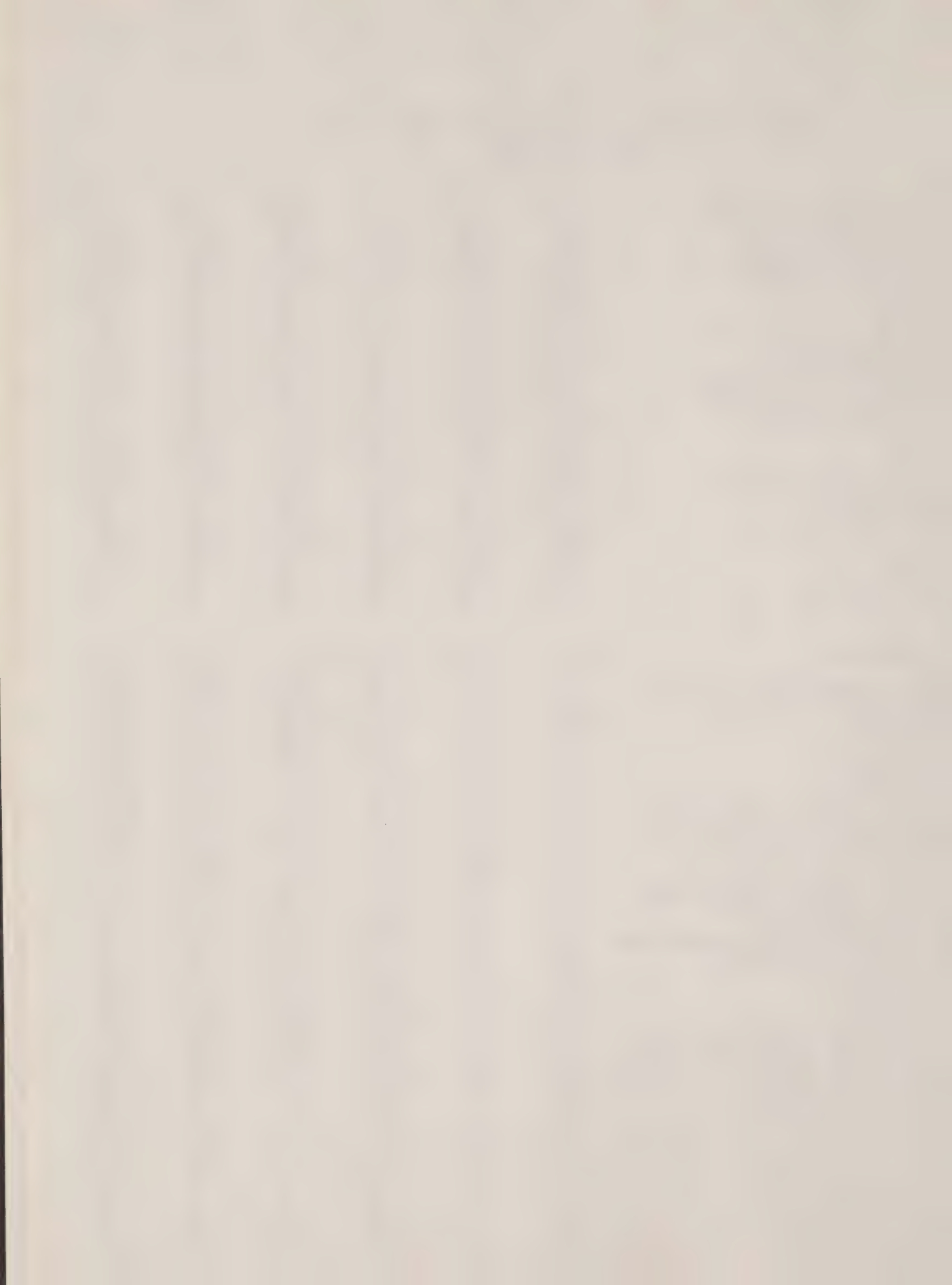


TABLE 1

EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990
BOSTON METROPOLITAN AREA*
NUMBER OF EMPLOYEES

OCCUPATION	1975	1978	1983	1984	1985	1990
SERVICE WORKERS	264,324	293,189	330,492	333,988	342,735	388,075
BUILDING CUSTODIANS	49,529	54,404	61,853	62,831	64,790	74,047
FOOD SERVICE WORKERS	99,552	112,918	130,097	131,877	134,653	149,640
BUTCHERS & MEAT CUTTERS	3,749	3,631	3,478	3,544	3,559	3,473
COOKS & CHEFS	19,535	22,115	25,288	25,668	26,274	29,969
COOKS INSTITUTIONAL	7,979	8,672	9,370	9,513	9,783	11,741
COOKS RESTAURANT	4,988	5,863	7,116	7,229	7,415	8,398
COOKS SHORT ORDER & SPECIALTY FAST FOODS	6,538	7,548	8,765	8,888	9,035	9,780
FOOD PREP. & SERVICE WKRS. FAST FOOD REST.	12,499	14,580	17,131	17,411	17,704	19,222
HOSTS	1,763	2,047	2,430	2,461	2,510	2,771
KITCHEN HELPERS	14,815	16,674	19,042	19,304	19,797	22,636
WAITERS & WAITRESSES	25,800	29,784	34,957	35,337	36,023	39,552
ALL OTHER FOOD SERVICE WORKERS	9,409	10,367	11,691	12,000	12,282	13,755
SELECTED HEALTH SERVICE WORKERS						
DENTAL ASSISTANTS	1,733	1,977	2,401	2,592	2,652	2,979
HEALTH AIDES EXCEPT NURSING	143	160	189	197	205	240
MEDICAL ASSISTANTS	1,262	1,446	1,747	1,857	1,911	2,205
NURSING AIDES ORDERLIES & ATTENDANTS	23,627	26,315	29,622	30,152	31,143	35,817
PHARMACY HELPERS	541	585	680	708	733	839
PSYCHIATRIC AIDES	2,130	2,324	2,764	2,838	2,944	3,396
SELECTED PERSONAL SERVICE WORKERS						
BARBERS	500	532	637	662	697	810
CHILD CARE ATTENDANTS	348	397	491	439	464	553
CHILD CARE WORKERS	2,626	3,005	3,744	3,368	3,554	4,349
COSMETOLOGISTS	3,945	4,100	4,748	4,904	5,144	5,810
COSMETOLOGISTS--WOMEN'S HAIRSTYLISTS	3,628	3,771	4,366	4,510	4,731	5,345
MANICURISTS	127	132	154	159	167	189
SHAMPOOERS & SCALP TREATMENT OPERATORS	191	197	228	235	247	277
HOUSEKEEPERS HOTEL & MOTEL	1,125	1,268	1,540	1,550	1,612	1,919
WELFARE SERVICE AIDES	1,701	1,858	2,071	2,009	2,079	2,469
GARDENERS & GROUNDSKEEPERS EXCEPT FARM	7,602	8,063	8,593	8,584	8,761	9,711
LABORERS EXCEPT FARM						
HELPERS TRADES	9,073	8,757	9,258	9,780	10,100	11,411
STOCK HANDLERS	17,653	17,854	18,539	19,161	19,547	20,668
ORDER FILLERS	5,939	6,070	6,667	6,902	7,019	7,245
STOCK CLERK SALES FLOOR	11,713	11,783	11,872	12,258	12,527	13,422
TOTAL ALL OCCUPATIONS	1,599,540	1,731,116	1,894,319	1,960,134	2,018,086	2,276,745

SOURCE: BRA RESEARCH DEPARTMENT; REGIONAL ECONOMIC MODELS, INC..
NOVEMBER 13, 1985.

EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990

BOSTON METROPOLITAN AREA*

AVERAGE ANNUAL CHANGE IN NUMBER OF EMPLOYEES

OCCUPATION	1975-78	1978-83	1983-84	1984-85	1985-90
PROFESSIONAL, TECHNICAL & RELATED WORKERS					
ENGINEERING & SCIENCE TECHNICIANS					
BROADCAST TECHNICIANS	1	4	21	9	5
DRAFTERS	221	92	35	161	77
ELECTRICAL & ELECTRONIC TECHNICIANS	496	555	995	635	539
MEDICAL WORKERS EXCEPT TECHNICIANS	1,258	1,356	1,905	1,719	1,722
HEALTH TECHNOLOGISTS & TECHNICIANS	362	389	602	470	459
CLINICAL LABORATORY TECHNOLOGISTS & TECH.	118	131	178	163	150
BIOCHEMISTRY TECHNOLOGIST	6	8	7	9	8
BLOOD BANK TECHNOLOGY SPECIALISTS	12	13	11	17	15
MEDICAL LABORATORY TECHNICIANS	25	26	28	29	24
MEDICAL LABORATORY TECHNOLOGISTS	63	70	118	88	86
DENTAL HYGIENISTS	37	39	82	28	30
DIETETIC TECHNICIANS	12	10	9	15	14
HEALTH RECORD TECHNICIANS	14	14	23	18	17
PHYSICAL THERAPY ASSISTANTS	25	27	32	33	33
PHYSICIAN ASSISTANTS	8	7	21	7	7
OTHER PROFESSIONAL & TECHNICAL WORKERS					
TOOL PROGRAMMERS NUMERICAL CONTROL	20	12	35	20	21
COMPUTER PROGRAMMERS	367	423	428	484	458
COMPUTER SYSTEMS ANALYSTS	307	346	474	411	406
VOCATIONAL EDUCATION TEACHERS	85	62	61	98	145
COMMERCIAL & GRAPHIC ARTISTS & DESIGNERS	59	61	76	67	59
PHOTOGRAPHERS	18	19	34	25	20
RADIO & TV ANNOUNCERS & NEWSCASTERS	0	14	17	31	15
BUYERS RETAIL & WHOLESALE TRADE	32	78	175	121	89
CURRICULUM SPECIALISTS	10	1	18	10	23
LAW CLERKS	42	36	-	41	42
LAWYERS	273	264	-	314	335
LEGAL ASSISTANTS	66	73	8	90	101
MANAGERS, OFFICIALS & PROPRIETORS					
RESTAURANT CAFE & BAR MANAGERS	309	230	158	163	186
SALES MANAGERS RETAIL TRADE	25	122	196	116	75
STORE MANAGERS	182	188	665	539	445
WHOLESALESAERS	1	128	139	56	20
SALES WORKERS					
SALES CLERKS	1,342	2,123	4,006	3,573	2,534
ALL OTHER SALES WORKERS	450	337	567	644	467

EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990

BOSTON METROPOLITAN AREA*

AVERAGE ANNUAL CHANGE IN NUMBER OF EMPLOYEES

OCCUPATION	1975-78	1978-83	1983-84	1984-85	1985-90
CLERICAL WORKERS	7,865	8,287	12,998	11,559	9,866
BANK TELLERS	84	561	- 163	387	227
ACCOUNTING CLERKS	265	247	403	361	254
BOOKKEEPERS--HAND	218	284	226	388	245
CAR RENTAL CLERKS	13	5	- 16	11	6
CASHIERS	666	702	1,316	1,237	1,128
CHECKING CLERKS	- 0	17	- 8	11	6
CIRCULATION CLERKS	1	4	4	2	1
CLAIMS CLERKS	52	57	86	74	67
FILE CLERKS	116	103	- 14	129	86
GENERAL CLERKS OFFICE	946	1,084	1,649	1,521	1,324
INSURANCE CLERKS EXCEPT MEDICAL	6	10	- 1	10	8
INSURANCE CLERKS MEDICAL	56	68	92	74	73
LIBRARY ASSISTANTS	38	16	64	39	75
LICENSE CLERKS	1	- 1	2	1	3
MAIL CARRIERS & POSTAL CLERKS	36	- 189	2,575	- 168	- 75
METER READERS UTILITIES	3	1	8	7	3
MORTGAGE CLOSING CLERKS	7	17	1	16	11
OFFICE MACHINE OPERATORS	534	607	444	681	535
BOOKKEEPING BILLING MACHINE OPERATORS	49	85	68	92	68
PROOF MACHINE OPERATORS	- 4	47	- 25	28	15
TRANSIT CLERKS	- 1	7	- 4	4	2
COMPUTER OPERATORS	232	262	278	331	327
DATA ENTRY OPERATORS	111	58	18	54	- 30
PERIPHERAL EDP EQUIPMENT OPERATORS	51	61	41	69	62
DUPLICATING MACHINE OPERATORS	24	19	7	22	18
ALL OTHER OFFICE MACHINE OPERATORS	66	69	51	80	70
ORDER CLERKS	79	109	194	138	80
PAYROLL & TIMEKEEPING CLERKS	91	72	171	148	121
PERSONNEL CLERKS	59	36	182	67	61
POLICY CHANGE CLERKS	10	14	- 22	18	10
PROCUREMENT CLERKS	37	16	100	37	30
PRODUCTION CLERKS	201	102	383	188	150
RATE CLERKS FREIGHT	3	- 3	1	4	2
REAL ESTATE CLERKS	8	13	48	17	10
RECEPTIONISTS	244	289	234	327	293
SECRETARIES	1,355	1,341	847	1,718	1,555
STENOGRAPHERS	26	- 33	64	18	17
TYPISTS	397	321	609	475	466
SERVICE CLERKS	8	9	23	19	17
SHIPPING & RECEIVING CLERKS	109	74	283	172	88
SHIPPING PACKERS	105	51	251	146	61
SORTING CLERKS BANKING	- 1	7	- 4	5	2
STATEMENT CLERKS	1	35	- 13	23	14
STOCK CLERKS STOCKROOM & WAREHOUSE	203	190	626	367	240
SWITCHBOARD OPERATORS RECEPTIONISTS	130	141	66	178	138
TELEGRAPH OPERATORS	- 1	2	5	3	2
TELEPHONE OPERATORS	- 64	69	111	80	22
SWITCHBOARD OPERATORS	101	105	60	118	90
CENTRAL OFFICE OPERATORS	- 103	- 38	24	- 42	- 64
DIRECTORY ASSISTANCE OPERATORS	- 29	3	26	4	- 3

EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990
 BOSTON METROPOLITAN AREA*
 AVERAGE ANNUAL CHANGE IN NUMBER OF EMPLOYEES

OCCUPATION	1975-78	1978-83	1983-84	1984-85	1985-90
CRAFT & RELATED WORKERS					
CONSTRUCTION CRAFT WORKERS	- 529	463	2,383	1,208	1,044
INSULATION WORKERS	- 15	10	59	27	22
BRICKLAYERS	- 42	18	69	38	33
STONE MASONS	- 2	1	6	0	0
CARPENTERS	- 135	152	586	343	303
CEMENT MASONS & TERRAZZO WORKERS	- 50	24	89	49	44
DRYWALL APPLICATORS AND TAPERS	- 38	18	61	35	31
DRYWALL APPLICATORS	- 25	12	41	23	21
TAPERS	- 13	6	20	12	10
ELECTRICIANS	- 24	68	552	258	222
FITTERS PIPELAYING	- 4	2	7	4	4
FLOOR COVERING INSTALLERS	- 14	12	44	29	23
GLAZIERS	- 7	10	34	22	18
IRONWORKERS	- 52	20	102	49	43
LATHERS	- 10	1	5	1	1
PAINTERS & PAPERHANGERS	- 29	62	219	119	108
PAINTERS CONSTRUCTION & MAINTENANCE	- 25	61	213	115	105
PAPERHANGERS	- 5	1	6	3	2
PLASTERERS	- 13	0	11	3	2
PLUMBERS & PIPEFITTERS	- 51	51	428	180	151
ROOFERS	- 48	15	63	33	27
TILE SETTERS	- 8	4	13	8	7
MECHANICS REPAIRERS & INSTALLERS	1,022	982	3,164	2,034	1,670
AIR CONDITIONING REFRIG. & HEATING MECH.	- 22	36	148	76	65
APPLIANCE INSTALLERS & REPAIRERS	4	7	32	25	15
AUTOMOTIVE BODY REPAIRERS	62	31	1	77	53
AUTO SEAT COVER & TOP INSTALLERS	4	2	4	4	2
AUTOMOTIVE MECHANICS	311	282	497	527	471
COIN MACHINE SERVICERS & REPAIRERS	8	6	11	16	12
COMMUNICATION EQUIPMENT MECHANICS	- 86	6	50	5	24
COMPUTER SERVICE TECHNICIANS	51	93	111	97	94
DIESEL MECHANICS	45	42	60	74	53
ELECTRICAL INSTRUMENT & TOOL REPAIRERS	9	11	29	12	6
ELECTRIC MOTOR REPAIRERS	10	14	20	23	15
LINE INSTALLERS & CABLE SPLICERS	- 51	36	168	62	38
ENGINEERING EQUIPMENT MECHANICS	- 9	19	81	10	6
INSTRUMENT REPAIRERS	25	10	34	28	21
INDUSTRIAL MACHINERY REPAIRERS	158	13	403	194	143
MAINTENANCE REPAIRERS GENERAL UTILITY	305	252	511	450	384
MARINE MECHANICS & REPAIRERS	14	5	33	10	5
MILLWRIGHTS	33	6	87	56	42
OFFICE MACHINE REPAIRERS	30	58	71	51	41
RADIO & TELEVISION SERVICE TECHNICIANS	13	18	44	33	25
TELEPHONE & PBX INSTALLERS & REPAIRERS	- 79	29	125	37	13
METALWORKING CRAFT WORKERS EXCEPT MECHANICS	559	17	1,229	589	416
MACHINISTS & LAYOUT MARKERS	197	19	334	191	135
LAYOUT MARKERS METAL	11	0	24	11	7
MACHINISTS	173	20	289	168	119
JOB & DIE SETTERS	110	4	174	102	66
MACHINE TOOL SETTERS METALWORKING	68	1	100	55	38
PUNCH PRESS SETTERS METAL	22	0	33	21	12
SHEETMETAL WORKERS & TINSMITHS	25	21	305	112	96
TOOLMAKERS & DIEMAKERS	151	20	251	108	75
ALL OTHER METALWORKING CRAFT WORKERS	9	3	14	11	6
PRINTING TRADES CRAFT WORKERS	62	163	256	88	39
TYPESETTERS & COMPOSITORS	- 15	6	15	14	23
LITHOGRAPHERS & PHOTOENGRAVERS	14	46	61	23	16
CAMERA OPERATORS PRINTING	6	16	22	9	7
PHOTOENGRAVERS	- 3	0	2	4	4
PLATEMAKERS	2	8	10	3	2
STRIPPERS PRINTING	9	22	27	14	12
PRINTING PRESS OPERATORS	42	79	121	54	33
LETTER PRESS OPERATORS	- 4	11	13	3	5
OFFSET LITHOGRAPHIC PRESS OPERATORS	23	63	95	36	28
PRESS OPERATORS & PLATE PRINTERS	23	0	6	19	9
ALL OTHER PRESS & PLATE PRINTERS	1	5	7	1	1

EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990
 BOSTON METROPOLITAN AREA*
 AVERAGE ANNUAL CHANGE IN NUMBER OF EMPLOYEES

OCCUPATION	1975-78	1978-83	1983-84	1984-85	1985-90
OTHER CRAFT & RELATED WORKERS					
BAKERS	1,646	451	3,643	2,142	1,603
CABINETMAKERS	5	3	34	25	17
CRANE DERRICK & HOIST OPERATORS	12	1	49	25	17
DENTAL LAB TECHNICIANS	18	1	86	40	31
FURNITURE FINISHERS	39	17	20	30	26
FURNITURE UPHOLSTERERS	4	4	10	10	7
HEAVY EQUIPMENT OPERATORS	1	3	5	7	3
TAILORS	- 89	45	273	130	155
UPHOLSTERERS	9	10	41	39	26
UPHOLSTERY CUTTERS	2	- 4	7	2	0
UPHOLSTERY WORKERS NEC	1	- 2	2	1	0
	2	- 4	5	2	0
OPERATIVES					
ASSEMBLER OCCUPATIONS					
ASSEMBLERS	2,218	864	3,563	1,893	1,158
ELECTRICAL MACHINERY EQUIPMENT ASSEMBLERS	180	- 97	292	204	94
ELECTRICAL & ELECTRONIC ASSEMBLERS	257	179	363	235	173
INSTRUMENT MAKERS	696	570	1,258	626	342
MACHINE ASSEMBLERS	123	43	116	107	94
ALL OTHER ASSEMBLERS	174	7	287	146	91
BINDERY OPERATIVES	515	102	762	415	235
METALWORKING OPERATIVES	- 5	30	35	- 3	- 16
MACHINE TOOL OPERATORS	1,338	- 175	2,378	1,091	722
DRILL PRESS & BORING MACHINE OPERATORS	966	- 134	1,639	736	513
GRINDING & ABRADING MACHINE OPERATOR METAL	122	- 18	199	94	66
LATHE MACHINE OPERATORS METAL	112	- 39	170	74	44
MILLING	145	- 41	243	105	67
MACHINE TOOL OPERATORS COMBINATION	67	- 17	121	35	33
MACHINE TOOL OPERATORS NUMERICAL CONTROL	189	1	376	158	114
MACHINE TOOL OPERATORS TOOL ROOM	90	12	154	71	61
PUNCH PRESS OPERATORS METAL	40	- 2	66	27	24
POWER BRAKE BENDING MACHINE OPERATORS METAL	145	- 25	210	125	71
SHEAR & SLITTER OPERATORS METAL	36	- 2	65	30	22
WELDERS & FLAMECUTTERS	17	- 1	30	16	10
PAINTERS AUTOMOTIVE	287	- 41	598	283	175
PAINTERS PRODUCTION	23	13	- 8	28	20
SEWERS & STITCHERS	104	- 20	171	76	46
SEWING MACHINE OPRS. REGULAR EQUIP. GARMENT	1	- 502	127	135	- 116
SEWING MACHINE OPRS. SPECIAL EQUIP. GARMENT	- 66	- 330	68	81	- 92
SEWING MACHINE OPRS. REGULAR EQUIP. NONGARMEN	- 8	- 46	12	15	- 12
SEWING MACHINE OPRS. SPECIAL EQUIP. NONGARMEN	62	- 78	38	30	- 6
ALL OTHER SEWERS & STITCHERS	13	- 32	8	6	- 4
AMBULANCE DRIVERS & AMBULANCE ATTENDANTS	- 1	- 19	- 5	- 3	- 7
BUSDRIVERS	17	9	35	20	25
MISC. MACHINE OPERATIVES LUMBER & FURNITURE	267	52	514	269	412
PHOTOGRAPHIC PROCESS WORKERS	20	- 5	32	16	9
RIVETERS	68	48	18	57	28
ROTARY DRILL OPERATORS	19	- 3	30	7	7
ROTARY DRILL OPERATOR HELPERS	0	1	3	0	- 0
SANDBLASTERS & SHOTBLASTERS	- 0	1	0	- 1	- 1
SANDERS WOOD	7	- 2	16	6	4
TIRE CHANGERS & REPAIRERS	6	- 4	10	6	2
WOOD MACHINISTS	19	20	55	47	39
	8	2	15	11	8

TABLE 2

EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990
 BOSTON METROPOLITAN AREA*
 AVERAGE ANNUAL CHANGE IN NUMBER OF EMPLOYEES

OCCUPATION	1975-78	1978-83	1983-84	1984-85	1985-90
SERVICE WORKERS	9,622	7,461	3,496	8,747	9,068
BUILDING CUSTODIANS	1,625	1,490	978	1,959	1,851
FOOD SERVICE WORKERS	4,455	3,436	1,780	2,776	2,997
BUTCHERS & MEAT CUTTERS	- 39	- 31	66	15	- 17
COOKS & CHEFS	860	635	380	606	739
COOKS INSTITUTIONAL	231	140	143	270	392
COOKS RESTAURANT	292	251	113	186	197
COOKS SHORT ORDER & SPECIALTY FAST FOODS	337	243	123	147	149
FOOD PREP. & SERVICE WKRS. FAST FOOD REST.	694	510	280	293	304
HOSTS	95	77	31	49	52
KITCHEN HELPERS	620	474	262	493	568
WAITERS & WAITRESSES	1,328	1,035	380	686	706
ALL OTHER FOOD SERVICE WORKERS	319	265	309	282	295
SELECTED HEALTH SERVICE WORKERS					
DENTAL ASSISTANTS	81	85	191	60	65
HEALTH AIDES EXCEPT NURSING	6	6	8	8	7
MEDICAL ASSISTANTS	61	60	110	54	59
NURSING AIDES ORDERLIES & ATTENDANTS	896	661	530	991	935
PHARMACY HELPERS	15	19	28	25	21
PSYCHIATRIC AIDES	65	88	74	106	90
SELECTED PERSONAL SERVICE WORKERS					
BARBERS	11	21	25	35	23
CHILD CARE ATTENDANTS	16	19	- 52	25	18
CHILD CARE WORKERS	126	148	- 376	186	159
COSMETOLOGISTS	52	130	156	240	133
COSMETOLOGISTS--WOMEN'S HAIRSTYLISTS	48	119	144	221	123
MANICURISTS	2	4	5	8	4
SHAMPOOERS & SCALP TREATMENT OPERATORS	2	6	7	12	6
HOUSEKEEPERS HOTEL & MOTEL	48	54	10	62	61
WELFARE SERVICE AIDES	52	43	- 62	70	78
GARDENERS & GROUNDSKEEPERS EXCEPT FARM	154	106	- 9	177	190
LABORERS EXCEPT FARM					
HELPERS TRADES	- 105	100	522	320	262
STOCK HANDLERS	67	137	622	386	224
ORDER FILLERS	44	119	235	117	45
STOCK CLERK SALES FLOOR	23	18	386	269	179
TOTAL ALL OCCUPATIONS	43,859	32,641	65,815	57,952	51,732

SOURCE: BRA RESEARCH DEPARTMENT; REGIONAL ECONOMIC MODELS, INC..
 NOVEMBER 13, 1985.

TABLE 3
 EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990
 BOSTON METROPOLITAN AREA*
 AVERAGE ANNUAL PERCENT CHANGE IN NUMBER OF EMPLOYEES

OCCUPATION	1975-78	1978-83	1983-84	1984-85	1985-90
PROFESSIONAL, TECHNICAL & RELATED WORKERS					
ENGINEERING & SCIENCE TECHNICIANS					
BROADCAST TECHNICIANS	0.6	1.7	8.0	3.2	1.9
DRAFTERS	3.4	1.3	0.5	2.1	1.0
ELECTRICAL & ELECTRONIC TECHNICIANS	6.5	6.1	8.4	4.9	4.0
MEDICAL WORKERS EXCEPT TECHNICIANS	3.9	3.7	4.4	3.8	3.7
HEALTH TECHNOLOGISTS & TECHNICIANS	3.7	3.6	4.7	3.5	3.3
CLINICAL LABORATORY TECHNOLOGISTS & TECH.	3.4	3.5	4.0	3.5	3.1
BIOCHEMISTRY TECHNOLOGIST	3.2	3.8	2.8	3.6	3.1
BLOOD BANK TECHNOLOGY SPECIALISTS	4.0	3.9	2.8	4.3	3.7
MEDICAL LABORATORY TECHNICIANS	2.5	2.5	2.4	2.4	1.9
MEDICAL LABORATORY TECHNOLOGISTS	3.8	3.9	5.4	3.8	3.6
DENTAL HYGIENISTS	4.7	4.4	7.6	2.4	2.5
DIETETIC TECHNICIANS	4.8	3.5	2.7	4.3	3.8
HEALTH RECORD TECHNICIANS	3.8	3.5	4.9	3.7	3.4
PHYSICAL THERAPY ASSISTANTS	5.0	4.8	4.6	4.5	4.3
PHYSICIAN ASSISTANTS	2.2	1.8	5.0	1.6	1.7
OTHER PROFESSIONAL & TECHNICAL WORKERS					
TOOL PROGRAMMERS NUMERICAL CONTROL	10.7	4.9	11.6	5.9	5.9
COMPUTER PROGRAMMERS	7.7	7.2	5.4	5.8	5.1
COMPUTER SYSTEMS ANALYSTS	8.1	7.4	7.4	6.0	5.6
VOCATIONAL EDUCATION TEACHERS	5.0	3.1	2.7	4.2	5.9
COMMERCIAL & GRAPHIC ARTISTS & DESIGNERS	5.0	4.6	4.6	3.9	3.3
PHOTOGRAPHERS	2.1	2.1	3.4	2.4	1.9
RADIO & TV ANNOUNCERS & NEWSCASTERS	0.0	1.9	2.1	3.7	1.8
BUYERS RETAIL & WHOLESALE TRADE	0.8	1.9	4.0	2.6	1.9
CURRICULUM SPECIALISTS	2.0	0.3	3.2	1.7	3.8
LAW CLERKS	5.1	3.8	0.1	3.6	3.6
LAWYERS	5.8	4.8	0.1	4.6	4.7
LEGAL ASSISTANTS	8.4	7.5	0.6	6.6	7.0
MANAGERS, OFFICIALS & PROPRIETORS					
RESTAURANT CAFE & BAR MANAGERS	5.2	3.3	2.0	2.0	2.2
SALES MANAGERS RETAIL TRADE	0.6	2.7	3.8	2.2	1.4
STORE MANAGERS	1.3	1.3	4.3	3.3	2.7
WHOLESALE	0.0	3.9	3.5	1.4	0.5
SALES WORKERS	1.3	1.9	3.3	2.9	2.0
SALES CLERKS	0.8	0.8	3.4	2.6	1.9
ALL OTHER SALES WORKERS	3.6	2.4	3.6	4.0	2.8

EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990
 BOSTON METROPOLITAN AREA*
 AVERAGE ANNUAL PERCENT CHANGE IN NUMBER OF EMPLOYEES

OCCUPATION	1975-78	1978-83	1983-84	1984-85	1985-90
CLERICAL WORKERS	2.3	2.3	3.2	2.7	2.3
BANK TELLERS	0.9	5.5	- 1.3	3.0	1.7
ACCOUNTING CLERKS	1.9	1.7	2.6	2.3	1.5
BOOKKEEPERS--HAND	1.4	1.7	1.3	2.2	1.3
CAR RENTAL CLERKS	5.2	1.7	- 5.1	3.7	2.0
CASHIERS	2.6	2.5	4.2	3.8	3.4
CHECKING CLERKS	- 0.1	4.8	- 1.8	2.5	1.3
CIRCULATION CLERKS	0.4	2.4	2.2	1.1	0.6
CLAIMS CLERKS	3.8	3.8	4.8	3.9	3.4
FILE CLERKS	1.9	1.6	- 0.2	1.8	1.2
GENERAL CLERKS OFFICE	2.2	2.4	3.3	2.9	2.5
INSURANCE CLERKS EXCEPT MEDICAL	3.0	4.8	- 0.4	3.7	2.7
INSURANCE CLERKS MEDICAL	4.9	5.2	5.6	4.2	4.0
LIBRARY ASSISTANTS	2.2	0.8	3.3	2.0	3.7
LICENSE CLERKS	0.7	- 1.0	1.5	0.7	2.2
MAIL CARRIERS & POSTAL CLERKS	0.4	- 2.0	29.5	- 1.5	- 0.7
METER READERS UTILITIES	0.8	0.3	1.9	1.7	0.7
MORTGAGE CLOSING CLERKS	3.5	7.4	0.3	5.0	3.2
OFFICE MACHINE OPERATORS	3.1	3.2	2.0	3.0	2.3
BOOKKEEPING BILLING MACHINE OPERATORS	1.6	2.7	1.9	2.6	1.8
PROOF MACHINE OPERATORS	- 0.4	4.7	- 2.0	2.3	1.2
TRANSIT CLERKS	- 0.4	4.5	- 2.1	2.2	1.1
COMPUTER OPERATORS	7.2	6.7	5.3	6.0	5.6
DATA ENTRY OPERATORS	1.7	0.8	0.2	0.7	- 0.4
PERIPHERAL EDP EQUIPMENT OPERATORS	6.7	6.7	3.4	5.5	4.6
DUPLICATING MACHINE OPERATORS	3.4	2.4	0.8	2.5	2.0
ALL OTHER OFFICE MACHINE OPERATORS	3.9	3.6	2.3	3.5	3.0
ORDER CLERKS	1.7	2.3	3.6	2.5	1.4
PAYROLL & TIMEKEEPING CLERKS	2.8	2.0	4.4	3.6	2.9
PERSONNEL CLERKS	3.3	1.8	8.5	2.9	2.5
POLICY CHANGE CLERKS	1.3	1.7	- 2.5	2.1	1.1
PROCUREMENT CLERKS	4.1	1.5	9.2	3.1	2.5
PRODUCTION CLERKS	5.0	2.2	7.4	3.4	2.6
RATE CLERKS FREIGHT	2.4	- 1.9	0.7	2.9	1.4
REAL ESTATE CLERKS	2.9	4.4	13.6	4.2	2.4
RECEPTIONISTS	4.4	4.6	3.0	4.1	3.5
SECRETARIES	3.3	2.9	1.6	3.2	2.8
STENOGRAPHERS	0.4	- 0.5	1.1	0.3	0.3
TYPISTS	2.0	1.5	2.7	2.1	2.0
SERVICE CLERKS	2.0	2.1	4.8	3.8	3.2
SHIPPING & RECEIVING CLERKS	1.6	1.1	3.8	2.2	1.1
SHIPPING PACKERS	1.8	0.8	3.8	2.1	0.9
SORTING CLERKS BANKING	- 0.4	4.8	- 2.1	2.7	1.3
STATEMENT CLERKS	0.1	5.2	- 1.5	2.8	1.6
STOCK CLERKS STOCKROOM & WAREHOUSE	1.3	1.2	3.6	2.1	1.3
SWITCHBOARD OPERATORS RECEPTIONISTS	3.7	3.6	1.4	3.8	2.9
TELEGRAPH OPERATORS	- 1.4	2.0	5.1	2.9	1.5
TELEPHONE OPERATORS	- 0.9	1.0	1.6	1.1	0.3
SWITCHBOARD OPERATORS	3.3	3.1	1.5	3.0	2.2
CENTRAL OFFICE OPERATORS	- 3.6	- 1.5	1.0	- 1.8	- 2.8
DIRECTORY ASSISTANCE OPERATORS	- 3.2	0.3	3.1	0.5	- 0.4

EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990
 BOSTON METROPOLITAN AREA*
 AVERAGE ANNUAL PERCENT CHANGE IN NUMBER OF EMPLOYEES

OCCUPATION	1975-78	1978-83	1983-84	1984-85	1985-90
CRAFT & RELATED WORKERS					
CONSTRUCTION CRAFT WORKERS	- 1.7	1.6	7.5	3.5	2.9
INSULATION WORKERS	- 2.4	1.7	9.2	3.9	3.1
BRICKLAYERS	- 4.0	2.0	6.8	3.5	3.0
STONE MASONS	- 3.6	1.1	11.1	0.0	0.0
CARPENTERS	- 1.7	2.0	6.9	3.8	3.2
CEMENT MASONS & TERRAZZO WORKERS	- 4.1	2.3	7.5	3.8	3.3
DRYWALL APPLICATORS AND TAPERS	- 4.5	2.4	7.5	4.0	3.4
DRYWALL APPLICATORS	- 4.5	2.5	7.5	3.9	3.4
TAPERS	- 4.6	2.4	7.4	4.1	3.3
ELECTRICIANS	- 0.4	1.0	7.7	3.4	2.8
FITTERS PIPELAYING	- 4.5	2.7	7.4	4.0	3.4
FLOOR COVERING INSTALLERS	- 1.8	1.6	5.6	3.5	2.7
GLAZIERS	- 1.2	1.8	5.6	3.4	2.7
IRONWORKERS	- 3.8	1.7	7.7	3.4	2.9
LATHERS	- 6.7	0.8	4.3	0.8	0.8
PAINTERS & PAPERHANGERS	- 1.0	2.1	6.6	3.4	3.0
PAINTERS CONSTRUCTION & MAINTENANCE	- 0.8	2.1	6.6	3.4	3.0
PAPERHANGERS	- 5.2	1.5	6.9	3.2	2.5
PLASTERERS	- 6.0	0.2	5.9	1.5	0.9
PLUMBERS & PIPEFITTERS	- 1.1	1.1	8.9	3.4	2.8
ROOFERS	- 4.9	1.8	6.9	3.4	2.6
TILE SETTERS	- 4.1	2.3	6.7	3.9	3.2
MECHANICS REPAIRERS & INSTALLERS	1.8	1.6	4.9	3.0	2.4
AIR CONDITIONING REFRIG. & HEATING MECH.	- 1.1	1.8	6.7	3.2	2.7
APPLIANCE INSTALLERS & REPAIRERS	0.4	0.7	3.1	2.4	1.4
AUTOMOTIVE BODY REPAIRERS	3.5	1.6	0.0	3.7	2.5
AUTO SEAT COVER & TOP INSTALLERS	5.9	2.2	4.5	4.7	2.7
AUTOMOTIVE MECHANICS	3.0	2.5	3.9	4.0	3.4
COIN MACHINE SERVICERS & REPAIRERS	1.8	1.3	2.2	3.1	2.3
COMMUNICATION EQUIPMENT MECHANICS	- 3.7	0.3	2.5	0.2	1.1
COMPUTER SERVICE TECHNICIANS	7.7	11.3	8.6	6.9	6.3
DIESEL MECHANICS	1.7	1.5	2.0	2.4	1.7
ELECTRICAL INSTRUMENT & TOOL REPAIRERS	5.1	5.2	11.3	4.2	2.1
ELECTRIC MOTOR REPAIRERS	3.9	4.6	5.5	6.0	3.8
LINE INSTALLERS & CABLE SPLICERS	- 1.5	1.1	4.9	1.7	1.0
ENGINEERING EQUIPMENT MECHANICS	- 0.8	1.6	6.5	0.7	0.4
INSTRUMENT REPAIRERS	4.1	1.4	4.7	3.7	2.7
INDUSTRIAL MACHINERY REPAIRERS	3.4	0.3	7.8	3.5	2.5
MAINTENANCE REPAIRERS GENERAL UTILITY	2.7	2.1	3.8	3.2	2.7
MARINE MECHANICS & REPAIRERS	7.2	2.0	15.5	4.1	1.8
MILLWRIGHTS	3.2	0.5	7.5	4.5	3.2
OFFICE MACHINE REPAIRERS	4.4	7.5	6.6	4.5	3.5
RADIO & TELEVISION SERVICE TECHNICIANS	1.5	2.0	4.4	3.2	2.4
TELEPHONE & PBX INSTALLERS & REPAIRERS	- 2.6	1.0	4.2	1.2	0.4
METALWORKING CRAFT WORKERS EXCEPT MECHANICS	4.4	0.1	8.6	3.8	2.6
MACHINISTS & LAYOUT MARKERS	5.1	0.4	7.4	3.9	2.7
LAYOUT MARKERS METAL	4.5	0.1	8.6	3.6	2.2
MACHINISTS	5.1	0.5	7.1	3.9	2.6
JOB & DIE SETTERS	6.9	0.2	9.1	4.9	3.0
MACHINE TOOL SETTERS METALWORKING	7.3	0.1	8.8	4.5	3.0
PUNCH PRESS SETTERS METAL	6.8	0.0	8.6	5.0	2.8
SHEETMETAL WORKERS & TINSMITHS	0.9	0.7	9.9	3.3	2.7
TOOLMAKERS & DIEMAKERS	6.2	0.7	8.9	3.5	2.4
ALL OTHER METALWORKING CRAFT WORKERS	6.0	1.7	8.6	6.3	3.4
PRINTING TRADES CRAFT WORKERS	0.7	1.9	2.7	0.9	0.4
TYPESETTERS & COMPOSITORS	- 0.7	0.3	0.7	0.7	1.1
LITHOGRAPHERS & PHOTOENGRAVERS	1.0	3.0	3.5	1.3	0.9
CAMERA OPERATORS PRINTING	1.3	3.3	3.9	1.5	1.1
PHOTOENGRAVERS	- 1.6	0.2	1.1	2.2	2.3
PLATEMAKERS	0.7	2.7	3.0	0.9	0.6
STRIPPERS PRINTING	1.8	4.1	4.1	2.0	1.7
PRINTING PRESS OPERATORS	1.1	2.1	2.9	1.3	0.8
LETTER PRESS OPERATORS	- 0.5	1.4	1.6	0.4	0.6
OFFSET LITHOGRAPHIC PRESS OPERATORS	1.2	3.3	4.2	1.5	1.2
PRESS OPERATORS & PLATE PRINTERS	2.9	0.0	0.7	2.2	1.0
ALL OTHER PRESS & PLATE PRINTERS	0.3	2.3	2.7	0.4	0.2

EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990
 BOSTON METROPOLITAN AREA*
 AVERAGE ANNUAL PERCENT CHANGE IN NUMBER OF EMPLOYEES

OCCUPATION	1975-78	1978-83	1983-84	1984-85	1985-90
OTHER CRAFT & RELATED WORKERS	3.1	0.8	6.0	3.4	2.4
BAKERS	0.5	0.3	3.2	2.2	1.5
CABINETMAKERS	1.7	0.1	6.5	3.1	2.0
CRANE DERRICK & HOIST OPERATORS	1.7	0.1	7.5	3.3	2.4
DENTAL LAB TECHNICIANS	4.8	1.8	2.0	2.9	2.4
FURNITURE FINISHERS	2.2	2.0	5.1	4.9	3.1
FURNITURE UPHOLSTERERS	0.5	1.7	2.3	3.1	1.5
HEAVY EQUIPMENT OPERATORS	- 1.8	1.0	5.7	2.6	3.0
TAILORS	0.9	0.9	3.6	3.3	2.1
UPHOLSTERERS	1.7	- 3.3	6.9	1.9	0.2
UPHOLSTERY CUTTERS	1.4	- 3.8	5.1	2.4	0.0
UPHOLSTERY WORKERS NEC	2.0	- 3.4	5.7	2.2	0.0
OPERATIVES					
ASSEMBLER OCCUPATIONS	6.9	2.2	8.3	4.1	2.4
ASSEMBLERS	4.2	- 2.0	6.8	4.4	2.0
ELECTRICAL MACHINERY EQUIPMENT ASSEMBLERS	7.9	4.4	7.4	4.4	3.1
ELECTRICAL & ELECTRONIC ASSEMBLERS	6.9	4.7	8.4	3.8	2.0
INSTRUMENT MAKERS	10.8	2.8	6.8	5.8	4.8
MACHINE ASSEMBLERS	6.7	0.2	9.1	4.2	2.5
ALL OTHER ASSEMBLERS	8.2	1.3	9.1	4.5	2.5
BINDERY OPERATIVES	- 0.2	1.4	1.6	- 0.1	- 0.7
METALWORKING OPERATIVES	5.9	- 0.7	9.2	3.9	2.5
MACHINE TOOL OPERATORS	6.2	- 0.7	9.2	3.8	2.5
DRILL PRESS & BORING MACHINE OPERATORS	6.2	- 0.8	8.8	3.8	2.6
GRINDING & ABRADING MACHINE OPERATOR METAL	5.6	- 1.7	8.0	3.2	1.9
LATHE MACHINE OPERATORS METAL	5.5	- 1.3	8.5	3.4	2.1
MILLING	5.6	- 1.2	9.3	2.5	2.2
MACHINE TOOL OPERATORS COMBINATION	6.8	0.0	11.2	4.2	2.9
MACHINE TOOL OPERATORS NUMERICAL CONTROL	7.5	0.8	10.1	4.2	3.5
MACHINE TOOL OPERATORS TOOL ROOM	7.1	- 0.2	9.7	3.6	3.1
PUNCH PRESS OPERATORS METAL	6.5	- 1.0	8.3	4.5	2.5
POWER BRAKE BENDING MACHINE OPERATORS METAL	5.8	- 0.3	9.0	3.8	2.7
SHEAR & SLITTER OPERATORS METAL	5.5	- 0.3	8.3	4.1	2.5
WELDERS & FLAMECUTTERS	4.9	- 0.6	9.2	4.0	2.4
PAINTERS AUTOMOTIVE	4.8	2.4	- 1.3	4.7	3.1
PAINTERS PRODUCTION	6.6	- 1.1	9.6	3.9	2.3
SEWERS & STITCHERS	0.0	- 3.5	1.1	1.1	- 1.0
SEWING MACHINE OPRS. REGULAR EQUIP. GARMENT	- 0.7	- 3.7	0.9	1.1	- 1.3
SEWING MACHINE OPRS. SPECIAL EQUIP. GARMENT	- 0.6	- 3.6	1.1	1.4	- 1.1
SEWING MACHINE OPRS. REGULAR EQUIP. NONGARMEN	2.5	- 2.9	1.7	1.3	- 0.2
SEWING MACHINE OPRS. SPECIAL EQUIP. NONGARMEN	1.4	- 3.2	1.0	0.7	- 0.4
ALL OTHER SEWERS & STITCHERS	- 0.3	- 5.0	- 1.8	- 1.1	- 2.4
AMBULANCE DRIVERS & AMBULANCE ATTENDANTS	3.0	1.3	5.1	2.8	3.3
BUSDRIVERS	2.5	0.5	4.4	2.2	3.3
MISC. MACHINE OPERATIVES LUMBER & FURNITURE	6.7	- 1.5	9.4	4.3	2.3
PHOTOGRAPHIC PROCESS WORKERS	5.6	3.4	1.1	3.4	1.6
RIVETERS	6.1	- 0.8	8.4	1.8	1.8
ROTARY DRILL OPERATORS	0.0	2.9	12.5	0.0	- 0.7
ROTARY DRILL OPERATOR HELPERS	- 2.1	6.7	0.0	- 5.0	- 3.2
SANDBLASTERS & SHOTBLASTERS	5.6	- 1.6	12.5	4.2	2.8
SANDERS WOOD	4.3	- 2.3	7.2	4.0	1.4
TIRE CHANGERS & REPAIRERS	1.8	1.9	4.7	3.8	3.1
WOOD MACHINISTS	3.5	0.7	6.0	4.2	2.8

EMPLOYMENT BY SELECTED OCCUPATION FOR SELECTED YEARS, 1975-1990
 BOSTON METROPOLITAN AREA*
 AVERAGE ANNUAL PERCENT CHANGE IN NUMBER OF EMPLOYEES

OCCUPATION	1975-78	1978-83	1983-84	1984-85	1985-90
SERVICE WORKERS	3.6	2.5	1.1	2.6	2.6
BUILDING CUSTODIANS	3.3	2.7	1.6	3.1	2.9
FOOD SERVICE WORKERS	4.5	3.0	1.4	2.1	2.2
BUTCHERS & MEAT CUTTERS	- 1.0	- 0.8	1.9	0.4	- 0.5
COOKS & CHEFS	4.4	2.9	1.5	2.4	2.8
COOKS INSTITUTIONAL	2.9	1.6	1.5	2.8	4.0
COOKS RESTAURANT	5.8	4.3	1.6	2.6	2.7
COOKS SHORT ORDER & SPECIALTY FAST FOODS	5.1	3.2	1.4	1.7	1.6
FOOD PREP. & SERVICE WKRS. FAST FOOD REST.	5.5	3.5	1.6	1.7	1.7
HOSTS	5.4	3.7	1.3	2.0	2.1
KITCHEN HELPERS	4.2	2.8	1.4	2.6	2.9
WAITERS & WAITRESSES	5.1	3.5	1.1	1.9	2.0
ALL OTHER FOOD SERVICE WORKERS	3.4	2.6	2.6	2.3	2.4
SELECTED HEALTH SERVICE WORKERS					
DENTAL ASSISTANTS	4.7	4.3	8.0	2.3	2.5
HEALTH AIDES EXCEPT NURSING	4.0	3.6	4.2	4.1	3.4
MEDICAL ASSISTANTS	4.9	4.2	6.3	2.9	3.1
NURSING AIDES ORDERLIES & ATTENDANTS	3.8	2.5	1.8	3.3	3.0
PHARMACY HELPERS	2.7	3.2	4.1	3.5	2.9
PSYCHIATRIC AIDES	3.0	3.8	2.7	3.7	3.1
SELECTED PERSONAL SERVICE WORKERS					
BARBERS	2.1	3.9	3.9	5.3	3.2
CHILD CARE ATTENDANTS	4.7	4.7	- 10.6	5.7	3.8
CHILD CARE WORKERS	4.8	4.9	- 10.0	5.5	4.5
COSMETOLOGISTS	1.3	3.2	3.3	4.9	2.6
COSMETOLOGISTS--WOMEN'S HAIRSTYLISTS	1.3	3.2	3.3	4.9	2.6
MANICURISTS	1.3	3.3	3.2	5.0	2.6
SHAMPOOERS & SCALP TREATMENT OPERATORS	1.0	3.1	3.1	5.1	2.4
HOUSEKEEPERS HOTEL & MOTEL	4.2	4.3	0.6	4.0	3.8
WELFARE SERVICE AIDES	3.1	2.3	- 3.0	3.5	3.8
GARDENERS & GROUNDSKEEPERS EXCEPT FARM	2.0	1.3	- 0.1	2.1	2.2
LABORERS EXCEPT FARM					
HELPERS TRADES	- 1.2	1.1	5.6	3.3	2.6
STOCK HANDLERS	0.4	0.8	3.4	2.0	1.1
ORDER FILLERS	0.7	2.0	3.5	1.7	0.6
STOCK CLERK SALES FLOOR	0.2	0.2	3.3	2.2	1.4
TOTAL ALL OCCUPATIONS	2.7	1.9	3.5	3.0	2.6

SOURCE: BRA RESEARCH DEPARTMENT; REGIONAL ECONOMIC MODELS, INC..
 NOVEMBER 13, 1985.

